



# CHAPTER 12 BUILDINGS AND BUILDING REGULATIONS\* ELECTRICITY

\*Cross reference(s)-Airport zoning, § 5-36 et seq.; erosion and sedimentation control, Ch. 15; fire prevention codes and standards, § 17-101 et seq.; floodplain management, Ch. 18; open housing, § 22-41 et seq.; planning and development, Ch. 34; preservation, Ch. 37; awnings, § 42-176 et seq.; subdivisions, Ch. 43; zoning, App. A. --State law reference(s)--Powers of home rule units, Ill. Const. art. VII, § 6.

## ARTICLE III. ELECTRICITY\*

Sec. 12-32. ~~City of Aurora Electrical code Ordinance adopted shall be deleted and replaced with the following.~~

- 1) ~~The provisions herein shall govern installations in Non-One & Two Family structures.~~
  - a) ~~Electrical provisions for existing Non-One & Two family structures shall additionally refer to the International Existing Building Code adoption, the more specific of which shall govern.~~
- 2) ~~Electrical provisions within One & Two Family structures additionally shall refer to the current International Residential Code Part VIII - Electrical (e.g. chapters 34-43 of the 2009 IRC) as amended~~
  - a) ~~Electrical provisions for existing One & Two family structures shall additionally refer to the International Residential Code Appendix J adoption, the more specific of which shall govern.~~
- 3) ~~That certain document, three (3) copies of which are on file in the office of the Building Code Official, being marked and designated as the City of Aurora Electrical Ordinance,~~
  - ~~2009 2014 NFPA - 70 National Electrical Code.~~
  - ~~As published by the National Fire Protection Association and adopted as the Electrical Ordinance of the City of Aurora, Illinois in the State of Illinois: for the control and regulation of installation and/or alteration of electrical systems and electrical equipment; for the utilization of electricity for light, heat or power. Each and all of the regulations, penalties, conditions and terms of said edition of NFPA-70 are hereby referred to and amended in part hereof as if fully set out in this article, with the additions, insertions, deletions, and changes prescribed in ARTICLE III. Sec.#s 12-32-31 through 12-100.~~
  - ~~Ord. No. 092-37, § 1, 6-2-92; Ord. No. 099-41, §§ 1, 11, 6-8-99)~~

~~Section 12-33 through Section 12-39 reserved.~~

~~Section 12-39: Annex H. Electrical Code Administrative Provisions: adopted and amended under separate ordinance.~~

~~Section 12-40: Adopted 2008 2011 NEC shall be amended as follows: The provisions herein shall govern installations in Non-One & Two Family structures. Electrical provisions within One & Two Family structures additionally shall refer to the current International Residential Code Part VIII - Electrical (e.g. chapters 34-43 of the 2009 IRC) as amended.~~

### 2011 NEC Chapter 1 General

#### Article 110 Requirements for electrical installations

Section 110.2 Approval shall be added to as follows:

~~110.2.1 Listing and Labeling. Electrical materials, components, devices, fixtures and equipment shall be listed for the application, shall bear the label of an approved agency and shall be installed, and used, or both, in accordance with the manufacturer's installation instructions. [IRC E3403.3 - highlights indicated thus represent IRC references]~~

Section 110.26 (C)(2)(a) Unobstructed Egress. Where the location permits a continuous and unobstructed way of egress travel perpendicular and away from the equipment, which does not traverse through the working clearance of other equipment, a single entrance to the working space shall be permitted. [Refer to NEC Handbook Exhibits for clarification.](#)

## Chapter 2 Wiring and Protection

Article 210 Branch Circuits ~~shall be added to as follows:~~

### II. Branch-Circuit Ratings

Subsection to 210.23 shall be added as follows:

210.23 (E) Existing 12 AWG branch circuits: Existing branch circuits with 12 AWG conductors that cannot be completely traced throughout the circuit shall be served by no more than 15 ampere breakers. ~~[IRC E3702.2.1 added].~~

~~Article 230 Services shall be added to/amended as follows: Article 230 Services shall be added to/amended as follows:~~

### II. Overhead Service-Drop Conductors

Section 230.23 (B) Minimum Size. -The conductors shall not be smaller than 6 AWG copper or 1/0 AWG aluminum. ~~[IRC E3603.4 table deleted and refer to NEC 310.16].~~

### III. Underground Service Lateral Conductors

Section 230.31(B) -Minimum Size: The conductors shall not be smaller than 3 AWG copper or 1/0 AWG aluminum. ~~[IRC E3603.4 table deleted and refer to NEC 310.16].~~

### IV. Service-Entrance Conductors

Section 230.43 Wiring Methods for 600 Volts, Nominal, or Less shall be amended as follows: ~~[IRC E3801.2 & E3801.4 amended tables]:~~

- 230.43(1) Open Wiring on Insulators: Deleted
- 230.43(2) Type IGS Cable: Deleted.
- 230.43(5) Electrical Metallic Tubing (EMT): Deleted.

**Commented [E12Mar14-1]:** Elect Commission deliberated up to Chapter 04 on 12 march 14.

**Commented [ECOM26mar2]:** Elect commission deliberated balance of document on 26march14

**Commented [JPC3]:** Referencing to the IRC here will allow us to remove one & two family items from this document and relocate and collate them with the IRC adoption.

**Commented [JPC4]:** 16 staff recommendation Go directly to 2014

**Commented [JPC5]:** Referencing to the IRC here will allow us to remove one & two family items from this document and relocate and collate them with the IRC adoption.

**Commented [23Jan12-6]:** Carried forward from '99 NEC adoption Sec.12-43

**Commented [Aurora7]:** Desire clarification here as this is debated hotly during plan review.

**Commented [Aurora8]:** 17 Staff Recommendation

**Commented [23Jan12-9]:** Carried forward from '99 NEC adoption Sec.12-49

**Commented [23Jan12-10]:** Carried forward from '99 NEC adoption Sec.12-44

**Commented [JPC11]:** Arlington Heights min is #3 Cu THW in 1 1/4 inch rigid

**Commented [23Jan12-12]:** Carried forward from '99 NEC adoption Sec.12-44

**Commented [03aug11-13]:** 1/0 provides more consistency

**Commented [JPC14]:** Arlington Heights #3AWG Cu only

**Commented [23Jan12-15]:** Itemized raceway and wiring types for clarification. Carried forward from '99 NEC adoption Sec.12-46

Proposed 2017 -- Aurora Electrical Code - CHAPTER 12 - Article III - NEC .docx

- 230.43(6) Electrical Nonmetallic Tubing (ENT): Deleted.
  - 230.43(7) Service-entrance Cables: Deleted.
  - 230.43(8) Wireways: Deleted.
  - 230.43(10) Auxiliary Gutters: Deleted.
  - 230.43(11) Rigid ~~Non-metallic~~ Polyvinyl Chloride Conduit (PVC): ~~Shall only be permitted for underground use be schedule 80.~~
  - 230.43(12) Cablebus: Deleted.
  - 230.43(13) Type MC Cable: Deleted.
  - 230.43(14) Mineral-insulated, metal-sheathed cable: Deleted.
  - 230.43(15) Flexible metal conduit: Deleted.
  - 230.43(16) Liquid-tight flexible nonmetallic conduit: Deleted.
  - 230.43(17) High Density Polyethylene Conduit (HDPE/Poly Pipe): ~~Shall be schedule 80~~
- 230.43.1 All service entrance conduit for overhead service drops shall be supported by galvanized 2 piece backstraps or an approved equal. ~~[IRC E3804.2 added].~~

**Commented [staff4/1616]:** Per concerns of the Elec Commission meeting 29 march 12 still will allow listed Auxiliary Gutters

**Commented [CJ17]:** Change necessitated by 2014 change from 2011

**Commented [CJ18]:** 16 staff recommendation

**Commented [23Jan12-19]:** Itemized raceway and wiring types for clarification. Carried forward from '99 NEC adoption Sec.12-46

**Commented [CJ20]:** 16 staff recommendation

**Commented [23Jan12-21]:** New item. Problem with supports that are not listed for the application. Clarification.

**Commented [23Jan12-22]:** Carried forward from '99 NEC adoption Sec.12-46

**Commented [JPC23]:** Decatur permits 10 feet, Elgin is 5 feet.

**Commented [E12Mar14-24]:** Look at this provision for remodeling provisions.

**Commented [AFD-25]:** AFD OK with main service locations inside buildings but wish to have a disconnecting means at the meter location. Staff believes this simplifies this regulation and allows more flexibility on service location.

**Commented [E12Mar14-26]:** Speak with AFD about this and the possibility of the disconnect.

**Commented [23Jan12-27]:** Carried forward from '99 NEC adoption Sec.12-51 (f)

**Commented [23Jan12-28]:** New Item to clarify existing code requirement.

**VI. Service Equipment – Disconnecting Means**

**Section 230.70 General** shall be amended as follows

**230.70 (A) (1) Readily Accessible Location:** ~~Service entrance conductors shall not travel over five (5) feet inside a structure before reaching the main service disconnecting means. If this distance would be exceeded, the main service disconnecting means shall be located outside of the structure, adjacent to, or in the same enclosure as, the metering equipment. Main Service Disconnecting means shall be located at the meter location. [IRC E3604.6.2.1 added].~~

**Article 250 Grounding & Bonding shall be added to/amended as follows:**

**I. General**

**Section 250.8 Connection of Grounding and Bonding Equipment** shall be added to as follows:

**250.8(B)(1) Methods not Permitted:** Sheet-metal strap type ground clamps shall not be used for connecting a grounding electrode conductor to a grounding electrode. ~~[IRC E3611.1.1 added].~~

**XI. Grounding Conductors** shall be added to as follows:

**250.53 Grounding Electrode System Installation:**

**250.53(D)(2) Revise Replace with the following:**

~~(A) Rod, Pipe, and Plate Electrodes. Rod, pipe, and plate electrodes shall meet the requirements of 250.53(A)(1) through (A)(3).~~

~~(1) Below Permanent Moisture Level. If practicable, rod, pipe, and plate electrodes shall be embedded below permanent moisture level. Rod, pipe, and plate electrodes shall be free from nonconductive coatings such as paint or enamel.~~

~~(2) Supplemental Electrode Required. A single rod, pipe, or plate electrode shall be supplemented by an additional electrode of a type specified in 250.52(A)(2) through (A)(8). The supplemental electrode shall be permitted to be bonded to one of the following:~~

- ~~(1) Rod, pipe, or plate electrode~~
- ~~(2) Grounding electrode conductor~~
- ~~(3) Grounded service-entrance conductor~~

~~(4) Nonflexible grounded service raceway~~

~~(5) Any grounded service enclosure~~

~~Exception: If a single rod, pipe, or plate grounding electrode has a resistance to earth of 25 ohms or less, the supplemental electrode shall not be required.~~

~~(3) Supplemental Electrode. If multiple rod, pipe, or plate electrodes are installed to meet the requirements of this section, they shall not be less than 1.8 m (6 ft.) apart.~~

~~Informational Note: The paralleling efficiency of rods is increased by spacing them twice the length of the longest rod.~~

~~(B) Electrode Spacing. Where more than one of the electrodes of the type specified in 250.52(A)(5) or (A)(7) are used, each electrode of one grounding system (including that used for strike termination devices) shall not be less than 1.83 m (6 ft) from any other electrode of another grounding system. Two or more grounding electrodes that are bonded together shall be considered a single grounding electrode system [IRC E-3608.1.1—3608.1.1(1)].~~

**Section 250.191-192 Underground / Under-slab / Concrete Encased Raceway:**

**250.191(A)192 Equipment Grounding Conductor:** ~~A conductor to serve as a 100% redundant Equipment Grounding conductor shall be installed in all underground raceways and raceways in concrete. [IRC E3908.24 added].~~

**Commented [JPC29]:** This is verbatim from the 2011 NEC – We were contemplating adding when discussing the 2008 NEC

**Commented [23Jan12-30]:** New Item. Many rigid conduit under slab locations have been found to have been eroded in 30-40 years and have lost ground.

Chapter 3 Wiring Methods and Materials

Article 310 Conductors for General Wiring

Section 310.5 Minimum Size of Conductors shall be amended as follows:

310.5 (A) Min Conductor Size: Minimum size conductor shall be 12 AWG, except for One and Two family or individually metered units of R-2, R-3 or R-4 uses (as defined in the IBC).

Section 310.15 Ampacities for conductors Rated 0-2000 volts shall be amended as follows:

310.15 (B)(6) 120/240-Volt, 3-wire, single phase dwelling service and feeders, and Table 310.15 (B)(6) shall be deleted in their entirety. [IRC E 3603.1 and table added]

Table 310.15 (B) (3) (a) Adjustment Factors For More than Three Current-Carrying Conductors. Table rows exceeding 9 conductors shall be eliminated. Fill exceeding 9 conductors may occur only as an engineered design alternative per IBC 104, when engineering calculations are provided in conformance with fill and ampere derating per Chapter 9 of the NEC.

Section 310.15 (B) (7) 120-240 single phase dwelling service and feeders shall be deleted in its entirety.

Section 310.106 (A) Minimum Size of Conductors shall be added to as follows:

310.106(A) (1) Min Conductor Size: Minimum size conductor shall be 12 AWG, except for One and Two family or individually metered units of R-2, R-3 or R-4 uses (as defined in the IBC).

Section 310.106 (B) Conductors shall be added to as follows:

310.106(B) (1) Aluminum Conductors: Aluminum or copper-clad aluminum wires shall be 1/0 AWG or larger. [IRC E 3406.3]

Article 314 Outlet, Device, Pull, and Junction Boxes; Conduit Bodies; Fittings and Hand Hole Enclosure

Section 314.3 Non-Metallic Boxes: shall be amended as follows

Plastic device and junction boxes shall not be installed, except in corrosive locations/environments when approved or in non-grounded circuits when they are permitted to remain. [IRC E 3905.3 added]

Article 320 Armored Cable: Type AC, [IRC E 3801.2 and E3801.4 modified]

Section 320.10 Uses Permitted shall be deleted and replaced with the following:

320.10 Uses Permitted: Permitted: Type AC cable shall not be permitted

Exception (1) Except where included as a factory assembled sub component of a manufactured system.

Article 322 Flat Cable Assemblies: Type FC shall be deleted in its entirety. [IRC E 3801.2 and E3801.4 modified]

Article 324 Flat Conductor Cable: Type FCC shall be deleted in its entirety. [IRC E 3801.2 and E3801.4 modified]

Article 326 Integrated Gas Spacer Cable: Type IGS shall be deleted in its entirety. [IRC E 3801.2 and E3801.4 modified]

Article 330 Metal-Clad Cable: Type MC shall be amended as follows. [IRC E 3801.2 and E3801.4 modified]. Section 330 shall be amended as follows:

330.10 Uses Permitted: Permitted: Type MC cable shall only not be permitted when fished into existing walls with not more than (6) six feet exposed. Exception (1) Except where included as a factory assembled sub component of a manufactured system.

Article 332 Mineral-Insulated, Metal-Sheathed Cable: Type MI shall be deleted in its entirety. [IRC E 3801.2 and E3801.4]

Article 334 Nonmetallic-Sheathed Cable: Types NM, NMC, and NMS shall be amended as follows: [IRC E 3801.2 and E3801.4 modified].

Section 334.10 shall be amended as follows:

334.10 Uses Permitted: Type NM, NMC, and Type NMS cables shall not be permitted.

Exception (1) Existing installations that met code at the time of installation shall be permitted to remain if the installation is deemed safe and unaltered.

Article 338 Service-Entrance Cable: Types SE and USE shall be amended as follows:

Section 338.10 shall be amended as follows:

338.10 Uses Permitted (A): SE and USE cable shall not be allowed. [IRC E 3801.2 and E3801.4 modified]

338.10 Uses Permitted (B): SE cable shall not be allowed. USE cable shall be permitted.

Article 340 Underground Feeder and Branch Circuit Cable: Type UF, [IRC E 3801.2 and E3801.4 modified]

Section 340.10 shall be amended as follows:

340.10 Uses Permitted: Type UF cables shall be permitted when remodeling existing one and two family dwellings, only in exterior applications, and in conformance with the cable listing. [IRC E added]

Article 348 Flexible Metal Conduit: Type FMC [IRC E 3801.2 and E3801.4 modified]

Section 348.10 Uses Permitted: FMC where exposed shall only be permitted when fished into existing walls with not more than (6) six feet exposed in lengths not to exceed (6) six feet. Please refer to NEC 348.12 uses not permitted and NEC 348.20 size.

Article 350 Liquid-tight Flexible Metal Conduit: Type LFMC [IRC E 3801.2 and E3801.4 modified]

Section 350.10 Uses Permitted: LFMC shall only be permitted in lengths not to exceed (6) six feet.

Article 352 Rigid Polyvinyl Chloride Conduit: Type PVC-PVC [IRC E 3801.2 and E3801.4 modified]

Section 352.10 shall be amended as follows:

352.10.1 When permitted the transition at grade shall be 90 degree galvanized rigid metal conduit or Schedule 80 PVC.

Exception (1) Conduits and sleeves used exclusively for utility cables.

Exception (2) Conductors encased in concrete at Light Pole Bases.

352.10(A) Concealed shall be deleted in its entirety.

Exception (1) Conduits encased in min 2 inches of concrete.

352.10(C) Cinders: shall be deleted in its entirety.

352.10(E) Dry and Damp Locations: shall be deleted in its entirety.

352.10(F) Exposed: shall be deleted in its entirety unless approved by the authority having jurisdiction for hazardous locations.

Article 355 Reinforced Thermosetting Resin Conduit: Type RTRC shall be deleted in its entirety. [IRC E 3801.2 & E3801.4]

Commented [23Jan12-31]: Carried forward from '99 NEC adoption Sec.12-49 [relocated to 310.106]

Commented [23Jan12-32]: Carried forward from '99 NEC adoption Sec.12-44

Commented [CJ33]: 16 staff recommendation as 2014 eliminates the table and one and two family will be dealt with in the IRC adoption

Commented [CJ34]: 16 staff recommendation as this section changed in 2014 Table has been eliminated and changed to a narrative 310.15(b)7 120-240v single phase dwelling services and feeders.

Commented [JPC35R34]:

Commented [Aurora36]: Desired by 2017 staff.

Commented [JPC37]: Arlington Heights and Bolingbrook are also 12 AWG

Commented [2013Feb38]: Relocated from 310.5 above

Commented [17AUG11-39]: Clarification. Carried forward from '99 NEC adoption Sec.12-52

Commented [23Jan12-40]: Carried forward from '99 NEC adoption Sec.12-68 but modified to include non-grounded circuits (knob & Tube)

Commented [CJ41]: Commission decision 23feb17

Commented [CJ42]: 16 staff recommendation

Commented [23Jan12-43]: Carried forward from '99 NEC adoption Sec.12-58 with more restrictions

Commented [ECOM26mar44]: Doug Schomer requested reconsideration of AC in light of the deletion of the NM AND coupled with some concerns of FMC to fish through existing finishes. Commission determined that MC cable (BX with a full ...

Commented [23Jan12-45]: New Item. Not addressed in th ...

Commented [23Jan12-46]: New Item

Commented [23Jan12-47]: New Item

Commented [23Jan12-48]: Carried forward from '99 NEC ...

Commented [23Jan12-49]: New Item

Commented [JPC50]: Joliet allows when residential structur ...

Commented [23Jan12-51]: Carried forward from '99 NEC ...

Commented [JPC52]: Covered by Annex H

Commented [23Jan12-53]: Carried forward from '99 NEC ...

Commented [23Jan12-54]: Carried forward from '99 NEC ...

Commented [CJ55]: Desire to discuss in future as old busin ...

Commented [CJ56]: 16 staff recommendation

Commented [23Jan12-57]: Carried forward from '99 NEC ...

Commented [staff4/1658]: Clarification from elec march ...

Commented [JPC59]: Joliet allows when residential structur ...

Commented [23Jan12-60]: Carried forward from '99 NEC ...

Commented [23Jan12-61]: New Item

Commented [23Jan12-62]: Carried forward from '99 NEC ...

Commented [CJ63]: 16 staff recommendation to allow mo ...

Commented [staff4/1664]: Clarification from Elec march ...

Commented [23Jan12-65]: New Item

Commented [E12Mar14-66]: Research for hazardous ...

Commented [ECOM26mar67]: Commission does not desir ...

Commented [s21mar-68]: Staff finds that RTRC is not ...

Article 356 Liquid Tight Flexible Non-Metallic Conduit: Type LFNC

Section 356.10 uses permitted shall be amended as follows:

Section 356.10 (5) shall be deleted in its entirety.

Section 356.12 uses not-permitted shall be amended as follows:

Section 356.12 (3) ...in lengths longer than 6 feet.

Article 358 Electrical Metallic Tubing [IRC E-3801.2 and E3801.4 modified]: Type EMT:

Section 358.12 (7) shall be added.

(a) Electrical metallic tubing ("EMT") shall not be used underground or in concrete bases or slabs.

(1) Exception: EMT may be used in poured concrete only when installed above-grade with intermediate metal conduit ("IMC") or rigid metal conduit used to exit from the concrete.

(b) EMT shall not be installed using indenter type couplings and connectors.

Article 362 Electrical Non-Metallic Tubing: Type ENT shall be deleted in its entirety.

Article 378 Non-Metallic Wireways: shall be deleted in its entirety.

Article 382 Non-Metallic Extensions: shall be deleted in its entirety.

Article 386 Surface Metal Raceway

Section 386.60.1 -Grounding - All surface metal raceways shall contain an equipment grounding conductor sized per table 250.122

Article 388 Surface Non-Metallic Raceways: shall be deleted in its entirety.

Article 393 Low-Voltage Suspended Ceiling Power Distribution Systems: shall be deleted in its entirety.

Article 394 Concealed Knob and Tube Wiring shall be amended as follows: [IRC E-3801.2 and E3801.4 modified]:

Section 394.10 Uses Permitted. New installations of Knob-and-tube wiring shall not be installed. Existing knob-and-tube wiring shall not be extended.

Chapter 4 Equipment for General Use: [IRC Appendix J 301.4 shall be deleted]:

Article 406 Receptacles, Cord Connectors, and Attachment Plugs: shall be amended as follows:

Section 406.3 4 (D) (32) Non-Grounding Type Receptacles. Where attachment to an equipment-grounding conductor does not exist in the receptacle enclosure, the installation shall comply with (D)(32)(b) or (D)(32)(c). [IRC E 4002.2 adding exceptions].

Section 406.3 4 (D) (32.1) Existing Non-Grounding Type Receptacles within area of work. Non-grounded receptacles within rooms which are undergoing electrical work of any fashion shall be replaced. When they are permitted to remain non-grounded per 406.3 4 (D) (32) the replacement receptacles shall be "ungrounded" marked GFI receptacles. [IRC E 4002.2 adding exceptions].

Section 406.3 4 (D) (32.2) Existing Non-Grounding Type Receptacles at structures where remodeling work exceeds 50% of the tax assessor's valuation of the structure. Non-grounded receptacles and circuits shall be removed in their entirety and replaced with a grounded and fully code compliant system. [IRC E 4002.2 adding exceptions].

Section 406.4 (D) (4) Arc-Fault Circuit Interrupter Protection. Shall be deleted in its entirety.

Section 406.4 (D) (12) Tamper-Resistant Receptacles for Dwelling Units. Shall apply to Bedrooms and Sleeping areas only.

Article 408 Switch Boards Switch Gear and Panel Boards: shall be added to as follows: [IRC E-3705.7 item7 added]:

Section 408.54 (A) Mini-circuit breakers prohibited. All breakers shall be full sized, breakers known as mini, tandem, dual, twin, etc. shall not be permitted to be used in new or existing service or panel installations.

Chapter 6 Special Equipment:

Article 600 Electrical Signs and Outline lighting. Shall be amended as to add the following follows:

Section 600.6 (1) Means of Disconnect. All outdoor electric signs shall have a means of disconnect at the sign. Section 600.7 (A) 1 Equipment Grounding. An additional grounding conductor run with the circuit conductors shall be required in all installations.

Section 600.31 (F) Metallic Enclosures. On all neon signs, the high voltage transformer and high voltage equipment shall be installed in approved metal boxes and all metallic parts shall be grounded to the conduit.

Article 604 Manufactured Wiring Systems: Delete Article in its entirety.

Article 604 Manufactured Wiring Systems: shall be delete Article in its entirety.

Article 646 Modular Data Centers: shall be deleted in its entirety.

Article 695 Fire Pumps: shall be amended as follows.

Section 695.5 (B) (1) Fire pump meter or cabinet: shall be sized in accordance with table 430.251 (B) Conversion of Polyphase Design b,c & d Maximum Locked Rotor Currents.

City of Aurora Code of ordinances Chapter12 - Sections's. 12-7433-12-100. Shall be deleted and marked as 'Reserved'.

Commented [staff4/1669]: Limiting the allowable

Commented [stf26mar70]: Staff feels the 6 feet limitation in the NEC is appropriate

Commented [E12Mar14-71]: Longer lengths in hazardous locations desired - Research by staff

Commented [23Jan12-72]: Carried forward from '99 NEC adoption Sec.12-64.

Commented [CJ73]: 16 staff recommendation prefers some additional flexibility and feels confident that in hazardous areas we can require RMC from other code citations.

Commented [JPC74]: Ungrounded System???

Commented [23Jan12-75]: New Item

Commented [stf26mar76]: Staff is more comfortable with durability of the surface non-metallic raceway.

Commented [E12Mar14-77]: Re-work for restricted uses with a ground. Use in plenums

Commented [CJ78]: 23 FEB 17 Commission Decision

Commented [23Jan12-79]: Carried forward from '99 NEC adoption Sec.12-56.

Commented [E12Mar14-80]: Deliberation of the Electrical Commission ended here on 12Mar14.

Commented [23Jan12-81]: New Item

Commented [ECOM26mar82]: Move to IEBC

Commented [ECOM26mar83]: All remodeling issues desire to leave for New

Commented [JPC84]: For SING FAM Elgin requires min 100amp, 20 circuits with 4 unused for future use min. 230.79(C) Elgin

Additionally Elgin specifies 1 Circuit for 350sf of Dwelling Plus 1 circuit for each 700sf of basement, enclosed porches, garages and breezeways

Commented [23Jan12-85]: New Item

Commented [JPC86]: Why not permit a calculation for capacity for this?

Commented [JPC87]: 16 staff recommendation

Commented [JPC88]: We've struggled with listing of signage. Should we clarify listing and labeling requirements in 600.3

Commented [ECOM26mar89]: Listing issues

Commented [ECOM26mar90]: Don't need as we allow a lockable disconnect

Commented [23Jan12-91]: New Item

Commented [23Jan12-92]: Carried forward from '99 NEC adoption Sec.12-72(d).

Commented [2013Feb93]: Note we wish to revisit this due to Neon fixture changes today.

Commented [23Jan12-94]: New Item

Commented [CJ95]: 16 staff recommendation Concerned about competitiveness with large users if we restrict this.

Commented [CJ96]: 23 FEB Commission meeting decided to leave this deletion and take this up at a future commission meeting

Commented [CJ97]: 23 FEB 17 Commission Decision

Commented [CJ98]: 23 FEB Commission - Move this to 695.4 FIRE PUMPS

Commented [JPC99]: Double Check Looks like this should be 41

Commented [CJ100]: 23 FEB 17 Commission Decision