**NNICC 2024 NEC (Electrical) Code Adoption Committee Meeting Minutes**

12/19/2023, 2:00 PM PST

Zoom Video Meeting

Join: <https://cityofsparks-us.zoom.us/j/87957185629?pwd=JfrRWOJUNEbDCeO7ihXpb6VaHwehC3.1>

Meeting ID: 879 5718 5629

Passcode: 100415

Open to Public

Invited video conference attendees:

Pennington, Jon jpennington@cityofsparks.us Chairman

Gerald Jensen <gerald@jeneng.com Secretary

Carl Wojtkowiak <wojtkowiakc@reno.gov>

Ted Spinelli <tspinelli@Washoecounty.gov>

Ashley Maisel <AMaisel@washoecounty.gov>

mmcquain@douglasnv.us

Joey Ganser <jganser@pkelectrical.com

Craig Carroll <ccarroll@pkelectrical.com>

Mike Stone <Mike.Stone@Nema.org

Shannon Behl <shannon@brightlifeelectricnv.com

Don Iverson <don.iverson@se.com>

John McCamish <johnamccamish@eaton.com>

Jesse Olson jesse.o@thehappyoutlet.com

Call to Order by Chairman.

Review of code amendments:

1.

# 250.118(4) Types of Equipment Grounding Conductors

*Amend Section 250.118(4) of Section 250.118 Types of Equipment Grounding Conductors to read as follows:*

**250.118 Types of Equipment Grounding Conductors**

**(4)** Electrical metallic tubing with the exception of where the metallic raceway is subject to either damage or likely to be disturbed in the future under normal operating conditions, this determination shall be made by the Authority Having Jurisdiction.

FPN: An example of “subject to damage” is a surface installed conduit running along a traffic path. An example of “likely to be disturbed” is a surface installed conduit running across a rooftop, where future re‐roofing operations will require the conduit to shifted, damaged, removed or relocated.

**Committee Recommendation: Move this amendment forward for committee vote for inclusion in 2024 amendments.**

# 2.

# 250.120 Equipment Grounding Conductor Installation

*Amend Section 250.120 to read as follows:*

**250.120 Equipment Grounding Conductor Installation.** ~~An equipment grounding conductor shall be installed in~~ ~~accordance with 250.120(A), (B), and (C).~~ All raceways installed on roofs shall contain an equipment grounding conductor sized per Table 250.122 installed with the circuit conductors.

***Exception****: Low voltage, communication and similar type systems unless required elsewhere in the Code.*

**Committee Recommendation: Move this amendment forward for committee vote for inclusion in 2024 amendments under new reference 250.120(D).**

# 3.

# 314.17(C) Nonmetallic Boxes and Conduit Bodies

*Amend Section 314.17(C) of Section* ***314.17 Conductors entering Boxes, Conduit Bodies, or Fittings*** *to read as follows:*

**314.17(C) Nonmetallic Boxes and Conduit Bodies.** Nonmetallic boxes and conduit bodies shall be suitable for the lowest temperature‐rated conductor entering the box. Where nonmetallic boxes and conduit bodies are used with messenger‐supported wiring, open wiring on insulators, or concealed knob‐and‐tube wiring, the conductors shall enter the box through individual holes. Where flexible tubing is used to enclose the conductors, the tubing shall extend from the last insulating support to not less than 6 mm (1/4 in.) inside the box and beyond any cable clamp. Where non‐metallic sheathed cable or multiconductor Type UF cable is used, the sheath shall extend not less than 6 mm (1/4 in.) inside the box and beyond any cable clamp. In all instances, all permitted wiring methods shall be secured to the boxes.

***Exception:*** *where non‐metallic sheathed cable or multiconductor Type UF cable is used with ~~single gang~~ boxes ~~not~~ ~~larger than a nominal size 57 mm x 100 mm (2 ¼ in. x 4 in.)~~ mounted in walls or ceilings, and where the cable is fastened within 200 mm (8 in.) of the box measured along the sheath and where the sheath extends through a cable knockout not less than 6 mm (1/4 in.), securing the cable to the box shall not be required. Multiple cable entries shall be permitted in a single cable knockout opening.*

**Committee Recommendation: Move this amendment forward for committee vote for possible removal from 2024 amendments.**

# 4.

# 358.12 Uses Not Permitted

*Amend Section 358.12 to read as follows:*

* 1. **Uses Not Permitted.** EMT shall not be used under the following conditions:
		1. Where subject to severe physical damage.
		2. For the support of luminaires or other equipment except conduit bodies no larger than the largest trade size of the tubing.
		3. In direct contact with earth.

**Committee Recommendation: Move this amendment forward for committee vote for inclusion in 2024 amendments under new reference. Proposed modifications to be provided by committee member Joey Ganser**

# 5.

# 690.7(D)

**Committee Recommendation: Review for possible new amendment proposed by committee Chair Jon Pennington.**

# 6.

# 700.10(D) Fire Protection

*Amend Section 700.10(D) of Section* ***700.10 Wiring, Emergency System*** *to read as follows:*

**700.10(D) Fire Protection.** Emergency systems shall meet the additional requirements in (D)(1) through (D)(3) in the following occupancies:

1. Assembly occupancies for not less than 1000 persons
2. Buildings above ~~23 m (75 ft)~~ 55 ft in height
3. Health care occupancies where persons are not capable of self‐preservation.
4. Educational occupancies with more than 300 occupants

**Committee Recommendation: Move this amendment forward for committee vote for inclusion in 2024 amendments.**

# 6.

# 700.12 General Requirements

*Amend Section 700.12 to read as follows:*

* 1. **General Requirements.** Current supply shall be such that, in the event of failure of the normal supply to, or within, the building or group of buildings concerned, emergency lighting, emergency power, or both shall be available

within the time required for the application but not to exceed 10 seconds. The supply system for emergency purposes, in addition to the normal services to the building and meeting the general requirements of this section, shall be one or more of the types of systems described in 700.12(A) through (E). Unit equipment in accordance with 700.12(F) shall satisfy the applicable requirements of this article.

In selecting an emergency source of power, consideration shall be given to the occupancy and the type of service to be rendered, whether of minimum duration, as for evacuation of a theater, or longer duration, as for supplying emergency power and lighting due to an indefinite period of current failure from trouble either inside or outside the building.

Equipment shall be designed and located so as to minimize the hazards that might cause complete failure due to flooding, fires, icing, and vandalism.

Equipment for sources of power as described in 700.12(A) through (E) shall be installed either in spaces fully protected by approved automatic fire suppression systems (sprinklers, carbon dioxide systems, and so forth) or in spaces with a ~~1‐hour~~ 2‐hour fire rating where located within the following:

* + 1. Assembly occupancies for more than 1000 persons.
		2. Buildings above ~~23 m (75 ft)~~ 55 feet in height with any of the following occupancy classes‐ assembly, educational, residential, detention and correctional, business, and mercantile
		3. Health care occupancies where persons are not capable of self‐preservation
		4. Educational occupancies with more than 300 occupants

**Committee Recommendation: Move this amendment forward for committee vote for inclusion in 2024 amendments under new reference 250.120(D).**

Evaluation of amendments to be continued at next committee meeting.

Meeting adjourned.

Next meeting:

1/2/2024, 2:00 PM PST

Zoom Video Meeting

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