



THE WIRE

*Published by
The Electrical Clearing House of Louisville*

www.echlky.com

OCTOBER 2025

The Presidents' Letter

We are starting our Clearing House fall session with some very, very sad news. Marilyn Boudreaux passed away last month. As all of you know, Marilyn has been a very integral and important part of this organization for a long time. She cared deeply for the Clearing House and needless to say she will be greatly missed. The Board met last month to discuss how we all move forward without Marilyn. It was decided to split her duties and responsibilities among the Board members. So please be patient as we all acknowledged there will be mistakes and oversights. Please keep Marilyn and her family in your thoughts and prayers. And may she rest in peace.

Our September 8th meeting went about as well as we could expect. There was no September Wire, however we are planning on an October edition to be emailed out to the membership. The future of and changes to the Wire will be discussed at the October 13th meeting. The September presentation continued with changes to the 2023 National Electrical Code. There were 36 members in attendance. Our October meeting will continue with the significant changes.

We have added a help request form to the ECHL website. Many of our members are experiencing problems getting answers to questions. Questions regarding licensing, electrical inspections, utility concerns, or electrical code are just a few examples that we have heard about. Take a look at the site and see what you think.

I attended last month's Department of Housing, Building, and Construction Advisory Committee meeting. It was announced that Department has a tentative date of October 20th to move to the new licensing data base. If it works like they suggested, it will be a huge improvement for our industry. I will discuss this more in depth at our October 13th meeting.

The Sponsorship Form is on the website. If you

October 13, 2025 Code Program

***Sign-in 6:30 P.M. - Program at 7:00 P.M.
ELKS LODGE # 8 - 2824 KLONDIKE LN -***

The program for October will be a continuation of the all the Code Updates. The presentation will be presented by Steve Willinghurst and cover the Code Sections that are being enforced January 1, 2025.

Steve will also touch some of the Code Articles that are being delayed. This presentation will be a review/comparison of each section of the Code updates from 2017 to present.

Bring a friend and enjoy the program.

Dennis Steier will go over the Code Questions from the October 2025 Wire.

See you Monday Evening, October 13, 2025, at 6:30pm.

Stay Alert! Work Smart & Stay Informed!

Mark your calendars - CEU Renewals!

Our General Membership meetings are held at the Elks Lodge located at 2824 Klondike Lane. The meeting starts at 7:00 pm with sign-ins beginning at 6:30 pm. You can obtain your CEU Hours toward your Master Electrician License, by attending 4 classes of 1.5 credit hours at each class. Membership also includes an option for a Saturday class in February to obtain the credit hours to renew your contractor's license.

October 13, 2025
November 10, 2025
December 8, 2025
January 12, 2026

Applications for membership can be obtained from our website: www.ECHLKY.com

Please encourage your employees to join us at the General membership meetings. It's a great place to network with the electrical industry. We have a very diverse set of members, large contractors, small contractors, individual electricians, inspectors, Utility (LG&E), etc. Come and join us and receive 1.5 hours continuing education at the same time.

MAY Code Questions

1. A number 12/5 Type G 75c Flexible Cord is feeding a machine that requires 480 volts 3 phase with a neutral, what is the maximum ampacity of this flexible cord?
 - A. 29.6
 - B. 31
 - C. 24.8
 - D. 28
2. If you were looking for information in the NEC regarding Feeders which Chapter would it be under?
 - A. 3
 - B. 2 Chapter 2
 - C. Annex A
 - D. None of above
3. What size overcurrent device would be required to protect number 18 AWG Copper?
 - A. 10
 - B. 6
 - C. 8
 - D. None of above
4. You have an indoor application that requires you to install an enclosure that would be exposed to Corrosive agents, what NEMA type enclosure would be required?
 - A. 4X
 - B. 3X
 - C. 6P
 - D. 4
5. You have a service drop that is passing by a window that is designed to open, what clearance is needed from the window?
 - A. 4'
 - B. 6'
 - C. 3'
 - D. 900mm
6. You are tapping a 20 amp branch circuit conductor for fixture wiring which would require you to install a 60-foot run, what size AWG conductor would be required?
 - A. 14
 - B. 18
 - C. 16
 - D. 12

Code Corner

Article 300 General Wiring Methods and Material

Under the scope of Article 300 in the 2023 *NEC* covers general requirements for wiring methods and material for all wiring installations unless modified by other articles in Chapter 3. What prompted to do the Code Corner on this article was I received a call looking for a metric seal tight connector which is covered under Article 300

300.2 (A) Voltage Limitations. Wiring methods specified in Chapter 3 shall be used for 600 volts, nominal or less where not specifically limited in some sections of Chapter 3. They shall be permitted for over 600 volts, nominal, where specifically permitted elsewhere in this *Code*.

We have become such of a global economy over the years you may be seeing equipment with metric threading on equipment. Table 300.1 (C) Metric Designators and Trade Sizes could be useful at some-time. There are manufactures that have changeovers from Metric to standard trade size that we are accustom to using here in the United States.

Article 300 in the 2023 *NEC* added Metal Corrugated to the title. 300.4 (E) Protection Against Physical Damage, which addresses cables, raceways or boxes installed under a metal corrugated sheet roofing deck. Which requires you to have least a one and a half down from the lowest point on the decking. This was added because of deck screws when re-roofing could possibly penetrate the Cable, Raceway or Box.

300.4 (H) Structural Joints, is new and falls under Protection Against Physical Damage, this section would require you to install a listed expansion or deflection fitting or other approved means shall be used where a raceway crosses a structural joint intended for expansion, contraction or deflection used in building, bridges, parking garages, or other structures.

Article 300 is not an article you would visit that often but there is information that you may need the address possibly for information such as I recently was ask for a metric connector

Submitted by Dennis Steier

Top Three Code Violations Louisville Metro Inspections OCTOBER 2025

These violations are costing you time and money.

1. NEC Article # 225.35 ACCESS TO OCCUPANTS

In a multiple-occupancy building, each occupant shall have access to the occupant's supply disconnecting means.

Exception: In a multiple-occupancy building where electric supply and electrical maintenance are provided by the building management and where these are under continuous building management supervision the supply disconnecting means supplying more than one occupancy shall be permitted to be accessible to authorized management personnel only.

2. NEC Article # 225.20 Protection Against Physical Damage.

Conductors installed on buildings, structures, or poles shall be protected against physical damage as provided for services in 230.50.

3. NEC Article # 225.17(A) Strength

The mast shall have adequate strength or be supported by braces or guys to safely withstand the strain imposed by the overhead feeder or branch-circuit conductors. Hubs intended for use with a conductors shall be identified for use with a mast.

**Submitted by Arnold Hornback
Assistant Chief Electrical Inspector
Louisville Metro - Dept. of Codes and Regulations**

Presidents Letter - Cont'd

know of any company that may be interested in becoming a sponsor, please print off the form and give it out to any prospective sponsor. The cost for a company or organization to become a sponsor is \$100.

Finally, membership financial obligations are now due. Please make every attempt to pay as soon as possible (if you haven't already).

Our next general membership meeting is scheduled for Monday October 13, 2025 at the Elks Lodge located at 2824 Klondike Lane. The meeting starts at 7:00 pm with sign-ins beginning at 6:30 pm. Hope to see you there.

As Always Stay Safe and Work Safe

Steve Willinghurst

LG&E NEWS

This specifically focuses on underground electric. There currently is an increase in turn downs for underground services. As a reminder, crews will turn down any service that does not meet the correct criteria. The overwhelming issue is not enough cable left over to make the proper connections.

The customer service cable must be installed within 18" of the transformer (secondary side), splice box or pedestal **AND** have a minimum of 6 feet of cable left above ground in order to make connections. The utility will not excavate beyond the required 18". It's cheaper to provide a little more wire than lose time and money fixing a problem with a simple solution.

Additionally, please check the cable for any damage. If the cable is visibly damaged, it will need to be repaired before it can be connected.

**Submitted by Joel McCauley
Team Leader Electric Design Svcs.**