



# The Electrical Association of Philadelphia

presents

## Commercial Electric Systems & Wiring

### Friday, March 8, 2019

*There were many new rule changes in the NEC! Are you on top of all of them? Tune up your Commercial Electric knowledge and keep yourself ahead of the pack by attending this class. Get your questions answered by an expert.*

Learn the rules and save yourself a lot of time and money. Come to this one-day class on Commercial Electric. Place yourself and your company at the head of the pack. Let someone else make the expensive mistakes. The money you save by learning the rules! It will pay for the course fee many times over.

- Do I really need AFCI breakers in a commercial installation?
- Hear there are new GFCI rules. What are they?
- What is the latest on installing non-metallic sheathed cable (Romex) in commercial building? Is it even allowed?
- What are the new marking requirements for home runs and branch circuits?
- Why can't I continue to use black and white MC conductors to tie in my 277V lighting circuits?
- Is BX still used?
- Can you please straighten me out on whether or not I need GFCI protection for every receptacle in a commercial kitchen? What is the definition of a kitchen this Code cycle?
- Am I required to install only circuit breakers with handle ties when sharing a neutral? I thought that was a residential rule only.
- Can you explain the Tap Rule to me and is it true that I cannot use 500 kcmil conductors to feed a 400 A MCB panel on the load side of the transformer?
- I am on my first commercial job and someone is trying to tell me that if I ground the service to building steel I don't have to drive a ground rod. Is this true?
- You are telling me that I need "nail plates" on metal studs?
- Roof top conductors in conduit have to be extra derated now? Where does it say that in the NEC?
- The Electrical Inspector is insisting that I install a fused disconnect and won't allow a circuit breaker in an enclosure to serve as a disconnect. Is he right?

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Date: **Friday, March 8, 2019**  
CEUs: 8 hours for Philadelphia, New Jersey, and Delaware Contractors  
8 hours for PA Electrical Inspectors; 8 PDHs for PEs approved by IEEE  
Schedule: 7:15 a.m.: Registration – 7:30 a.m. - 4:30 p.m.: Class  
Cost: EAP Member Rate: \$250 / Non-Member Rate: \$295  
Location: **The EAP Office, 1787 Sentry Parkway West, VEVA 16**  
**1<sup>st</sup> Floor Classroom, Blue Bell, PA 19422\*\*\* NEW LOCATION**  
Instructor: Rich Van Wert

**Required Text** Bring your own copy of the **2014** NEC book  
**For those who want NJ CEUs** – you must bring your photo ID & NJ License

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- Questions? Contact us by phone at (610) 825-1600 or by email at [electric@eap.org](mailto:electric@eap.org).
  - To pay by credit card, please register online at [www.eap.org](http://www.eap.org) or call us at (610) 825-1600. Please note that we **cannot** accept credit card information sent by email or fax.
  - To pay check, please complete this form and send it in with your check. Make checks payable to: The EAP
  - Payment is required at the time of registration to reserve your seat.
  - **No refunds...see our refund policy at [www.eap.org](http://www.eap.org).**

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Company: \_\_\_\_\_

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