



The Electrical Association of Philadelphia

Article 220 Calculations plus Conduit Fill and Conductor Derating Class

Friday, April 13, 2018

Course Overview

This seminar will provide contractors, inspectors and design professionals with the knowledge to perform installation, plan review, design, and inspection of branch circuit, feeder, and service installations. NEC® Article 220 will be the main source of content for this seminar. NEC® Chapters 3 & 4 and other interrelated articles will be referenced and utilized for examples, sample calculations, and worksheets.

A comprehensive knowledge of Article 220 is essential in the design; plan review, installation, and inspection of electrical systems. This course will increase attendee comprehension of all the parameters of Article 220 and several other interrelated Sections of the NEC®.

Course Outline

- Article 220 Segment
 - Summary of Article 220 with in depth look at Sections II and III
- Conduit Fill Segment
- Conductor Derating Segment
 - NEC changes affecting installations and determining conductor size

Course Information

CEUs: 8 hours for Philadelphia, New Jersey, and Delaware Contractors;
8 hours for PA Electrical Inspectors; 8 PDHs for PA PEs

Date: Friday, April 13, 2018

Schedule: Registration at 7:15 a.m.; Class 7:30 a.m. - 4:00 p.m.

Cost: EAP Member Rate - \$250; Non-Member Rate - \$295; Lunch will be provided.

Location: The EAP Offices, Plymouth Meeting, PA

Instructor: Tom Pernal, Tom Pernal Electrical Seminars LLC

Required Text / Materials

- A handheld calculator
- National Electrical Code book
- **For those who want NJ CEUs:** Photo ID & NJ License

About the Instructor

Tom Pernal is owner of Tom Pernal Electrical Seminars, Instructor at Rutgers, Instructor at Ocean County Vocational School, as well as President and Instructor for IAEI South Jersey. He is a member of NFPA Electrical and Education Sections.

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- To pay using a credit card, register [on-line here](#) or call (610) 825-1600
 - To pay by check, complete form and make check payable to: The Electrical Association of Philadelphia
 - Payment is required at time of registration to reserve your seat
 - Questions? Call Arielle at (610) 825-1600, ext. 14 or electric@eap.org
 - **No Refunds...** SEE OUR REFUND POLICY www.eap.org
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Name(s): _____ Company: _____

Address: _____

Mobile/Phone: _____ Email: _____

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