

NEW JERSEY SKYLANDS CHAPTER

International Association of Electrical Inspectors

Hunterdon, Morris, Somerset, Sussex, and Warren Counties



10 January 2019

Officers:

President

Robert Rutan

1st V/President

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Roy Konwiser

Greg Lwowski

Kevin O'Connor

William O'Connor

Larry Ott

Chris Walthour

President Bob Rutan opened the meeting at 6:07 pm with the flag salute and a moment of silence for our men and women overseas. Rutan requested a report from Treasurer Don Storms who stated that we have a strong balance. Rutan then asked Greg Chontow for the Secretary's report. Chontow stated that the November minutes were posted on the Chapter's website. He asked if there were any necessary corrections from anyone who read the minutes. As there were none, he requested and received a motion to accept the minutes. Rutan then asked Jeff Hockenberry to come up and receive a certificate for himself and Peter Lytwyn for 25 years as members of the IA EI. Jeff received a round of applause. Rutan then recognized two new members of the organization. After that, Rutan asked if there was any old business. A member asked about the on-line Cut-In card training that JCP&L was offering to give. Chontow said he would look into it. As there was no additional old business, Chontow continued the meeting with New Business. He mentioned that he was asked to write one or more articles that could be published in EC&M magazine and asked for suggested topics. Some of the suggestions were AFCI vs. GFCI, AFCI combination vs. dual purpose, and GFCI receptacle compatibility with AFCI breakers. Another suggestion was the rehab code. Chontow pointed out that this was a national article and the Rehab code is New Jersey specific. Chontow then mentioned that he was preparing a license prep course that would be run around early summer. Any interested parties should see him for more details. A member brought up that according to the manufacturer's instructions, the Daikin Mini-Split A/C requires GFCI protection. Always check Manufacturer's instructions for installation requirements. Vice President Baguiaio brought up that as of 1 January, the state now requires all single station smoke detectors to have a 10 year sealed battery. As there was no more new business, Rutan opened up the meeting to questions from the floor. A member questioned the legitimacy of requiring a permit strictly for the bonding of CSST piping. Chontow stated that N.J.A.C. 5:23-3.4 gives inspection responsibility of G2411 to the Plumbing inspector except if the bond is connected to the electrical service equipment, and only then would it be the responsibility of electrical. Further, in the Fall 2012 communicator, there is no requirement for an Electrical Contractor to install the bond wire. Another question was whether a license is required for the replacement of parking lot light heads.

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Chontow read an excerpt from the Electrical Contractor Licensing Law N.J.S.A. 45:5A-9 which basically says that no one shall engage in electrical work without first obtaining an electrical Contractors license. He did say however that in 2.7 of the UCC this type of work is defined as ordinary maintenance. So, although a permit is not required, the contractor shall be licensed. Another question from the floor was whether it is permissible to strip conductors out of romex and install it in a conduit. The simple answer was no. The inner conductors have no marking, and without the outer jacket, it is not a listed conductor, or assembly. However, as long as the conduit is not in a wet location, the cable assembly can be installed in a conduit. A there were no additional questions or comments from the floor, the President turned over the meeting to our guest speaker for the evening Ron Schroeder, Director of Technology and Industry Standards for Asco Power. Schroeder started by stating that although UL1008 is the standard for transfer switches, you can have a listed manual transfer listed under UL67 such as the mechanical interlock you would get to interconnect two breakers, or UL98 for a double throw switch. He then went on to explain the different requirements for Standards testing between UL67, 98, & 1008, with UL1008 being a very rigorous test requiring testing at 6 times overload for 50 operations and a less than 0.4 power factor. Schroeder continued to explain some of the major changes in the 2017 NEC pertaining to emergency systems. NEC 700.5(E) now requires field marking for the equipment's short circuit rating. NEC 700.10(D)(3) requires the integrity of the generator control circuit wiring to be continuously monitored. There was a discussion as to how that would be achieved as no manufacturer has any equipment presently that could accomplish this requirement, and there is no specific guidance as to where the remote annunciator should be located. Schroeder moved on to the requirements for Service Rated transfer switches. He commented that all service rated switches must have overcurrent devices and the code would require the neutral and ground to be bonded in that enclosure. Schroeder ended his presentation with a round of applause from the 39 members present.

Respectfully Submitted
Greg Chontow, Secretary