

NEW JERSEY SKYLANDS CHAPTER

International Association of Electrical Inspectors

Hunterdon, Morris, Somerset, Sussex, and Warren Counties



8 September 2016

Officers:

President

Robert Rutan

1st V/President

Frank Baguiao

Secretary

Greg Chontow

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Treasurer

Donald Storms

Board of Directors:

James Alsop

Stan Fagerty

Chris Frankowski

Roy Konwiser

Thomas La Monaco

William O'Connor

Chris Walthour

President Bob Rutan opened the meeting at 6:12 pm with the flag salute and a moment of silence for our men and women overseas. President Rutan then requested a report from Treasurer Don Storms. Don reported a healthy account balance. Bob then asked Greg for the Secretary's report. Greg mentioned that the minutes of July were posted on the Chapter's website, and asked if there were any corrections to be made. As there were none, a motion was made and seconded to approve the minutes as posted. Greg continued by commenting that the NJ Rehab code is still under the 2011 NEC at this time but is scheduled to be changed to the 2014 NEC if the Governor signs it in November. Bob commented that in the Quicklinks section of the Chapter's website, we have Electrical Excerpts of the NJ Rehab code which makes it much easier than navigating the full code. Bob then reminded everyone that the Eastern Section meeting in Massachusetts is coming up at the end of the month and it is not too late to register. Under new business, Bob stated that as the Board Elections are coming up in January, he has appointed Roy Konwiser as the Nominations Committee chairperson. Roy briefly discussed the duties of the Board and asked for any interested parties to contact him for consideration. President Rutan then asked for any questions from the floor. CSST bonding requirements were brought up. Greg mentioned that there were some significant changes to the ICC's International Fuel Gas Code. The new requirement requires the bonding to be anywhere on the system, not nearest the gas meter as required in the 2009 code. Greg also discussed the "Black" CSST, which does not need bonding if it has documented testing done by a NRTL. Another question came up on the listing of the Manual interlocks made by InterlockKit. Greg commented that all products installed shall have a listing. Some of InterlockKit's products are listed by Met Labs, and some are not. You must look carefully before you purchase a product. Another question came up as to whether a GFCI installed under a kitchen sink would be defined as readily accessible. A general consensus was that since no tool or ladder is required, it would meet the definition.

With no additional questions from those in attendance, Bob introduced the guest speaker for the evening, Anthony Ladaro of Pyrotenax. Anthony briefly discussed his company and some of the more familiar names of his products including Raychem heat trace cables and NuHeat

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tile heat. He discussed the need for 2 Hour fire rated cabling which is a requirement in the NEC in such areas as Article 695 for Fire Pumps, Article 700 for emergency systems, Article 708 for Critical Operations facilities and Article 760 for Fire Alarms. Anthony spent some time discussing how MI cable is made with its individual components, and how it is tested in a large furnace reaching a temperature of over 1850 degrees Fahrenheit at the UL Laboratories in Illinois. After two hours subjected to the high temperature, it goes through a hose down test. Anthony pointed out that although the wire is rated for these high temperatures, the connectors are to be installed where the two hour protection is not required, and therefore, does not have a two hour rating. One great advantage of single conductor MI cable is that for sizing, you can use the free air chart of 310.15(B)(17) (providing it is not direct burial or encased in concrete), allowing the feeder to be considerably smaller. He continued by discussing the proper installation technique using wire pullers and wheels. A proper setup using pulleys is critical for the installation of MI cable. He also discussed the installation of 2 hour rated MI field splicing kit, used if the pull is too difficult. Anthony commented that the 2020 code may change the requirement for 2 hour installations in concrete to be encased in 4 inches as studies have shown that 2 inches only provides one hour of protection.

With a round of applause for the speaker at the end of the presentation, the President closed the meeting with 32 members present.

Respectfully Submitted

Greg Chontow, Secretary