



International Association of Electrical Inspectors

The September 15, 2009 meeting of the Palm Beach County Division of IAEI was called to order at 3:07 PM by President, Debbie Nutter with 22 attendees. The Pledge to the Flag was recited then self introductions. The August minutes and Treasurer's report were approved.

Old Business; Debbie stated that she had not had anyone come forward to help with the annual ECF - IAEI picnic. She asked if anyone in attendance was interested in having the picnic this year. There was no response so there will be no picnic this year.

NEC Code Questions; Vinny Burdo asked how we would handle under slab PVC conduit to a dental chair in violation of NEC 517.13. We have seen this question before and the Code professionals have always said that two EGCs (equipment grounding conductors) will not satisfy the Code. Even though PVC will outlast metal conduit in a Florida slab, metal conduit and an insulated EGC is the only thing that will comply with 517.13.

Glen LaBonte asked if anyone had run into Solar powered roof ventilation fans. His question was if permits were being required. It was agreed that a building permit would be required for the roof penetration but no electric permit.

Dan Prater mentioned an inspectors report of a contractor who was cutting out all the new ballast connectors that are intended as the disconnects required by NEC 410.130G. The contractor reinstalled the connectors but complained he was having trouble with loose connections in the connectors.

Question. On October 1st, the 2008 NEC will finally be implemented, are there any receptacles in a residence that will not be required to be on an AFCI or GFCI. NEC 210.8 and 210.12. There is one location that would be exempt and that would be a receptacle on a kitchen wall that is more than 6 feet from a sink and does not serve a counter space.

Dan mentioned that Florida changed NEC 680.22B to GFCI protection is "not" required for pool pumps. However an investigation by Peter Spirito found that the vast majority of pool pump manufacturer's installation instructions require GFCI protection anyway. The ones that don't require GFCI protection require that the pump be installed per the NEC, which still requires GFCI protection for swimming pool pumps.

Dave Evans, Boca Raton Inspector, asked about A/C equipment disconnects above a suspended ceiling not being readily accessible. NEC 440.14 says the disconnect must be readily accessible **from the equipment**. So if you are on a ladder servicing equipment, the disconnect must be within reach.

Bryan Jerido of Tower Electric asked about using one grounding conductor with a range circuit and small appliance circuits in one conduit. He would be tapping off the #8 ground wire with #12. Yes, that is OK but the #8 had to continue to the range outlet.

Anthony Williams, of Tower Electric, asked about using FPL bills to size "whole house" generators. The normal residential meter records total power used but not the maximum demand at any one time, so FPL bills can only be used if the service has a "demand" meter with peak demand shown on each month's bill.

A drawing for 2 NEC books and two 25' tape measures as door prizes was held

Meeting adjourned at 4:40 PM - Respectfully Submitted by Dan Prater, Secretary.

The next regular meeting will be at **3 PM on Tuesday, October 20th**, at the Palm Beach County Building Dept in the Vista Center, **2300 N Jog Rd**, West Palm Beach.

Bring your Code questions and friends. Hope to see you all there !!!

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