

ENLIGHTNER

March 9, 2010

Meeting Location
FIRST ENERGY REGIONAL HDQTRS.
6896 MILLER RD.
BRECKSVILLE, OHIO 44141

TIME: 600 PM

HONARY MEMBERS

Edward Loesch December 1978

John J O'Connell April 1981

William J Crowley, George J Foster and Jerry M Gerber
January 1996

EDUCATIONAL PROGRAM

Dr. Allen Morinec

His topic will be Technology

And he promises it will be a good one!!

Minutes from the February Meeting

President ***Jeff Grassi***. Called the Meeting to Order at 6:05 PM.

Motion to accept the minutes as E-mailed

1st ***Ted Athanas***

2nd ***Jerry Gerber***

New guests or members

none

**February 2010
Treasurers Report**

For the period starting **December 5, 2009** and ending **January 30, 2010**

Total assets \$15,402.54
Checking account \$7,359.64
Savings account \$8007.32

Debits for this period totaled \$1239.42

\$668.23 Sterlies January Luncheon
\$112.05 Tony Bontempo Flowers
\$102.31 Fred Englemans Flowers
\$44.00 Allen Morinec OCILB
\$32.33 Brindza pop
\$53.00 IAEI Past Pres. Pins
\$158.00 PJ Pizza Dec. Meeting
\$69.50 Jerry Gerber Mailings of Membership forms

Credits for this period totaled \$1345.00

\$595.00 17 membership renewals
\$225.00 Membership contribution for Sterlies
\$455 Bi-annual membership distribution

Motion to accept the Treasurers report

1st **Jerry Gerber**

2nd **Tom Jarus**

February 2010
Secretaries Report

We lost two members this last two Months, Fred Engleman, and Tony Bontempo. Fred has always been right up here at every meeting with a smile and always adding his support. Rich Vittardi summed it up when it came to Fred. His quote: If there was guy who you would want to call a sweet heart it was Fred. Rich said he only met Fred a few times and they were here at our meetings. Tony was usually sitting in the back corner always ready to offer his support. Both of these Gentlemen will be greatly missed.

Our January Luncheon went off well and our slate of officers are in place. You can read both Keith Foulkes outgoing and Jeff Grassi's incoming speeches in the February Enlightner. Jeff layed out a challenging goal, for our board this year. If we pull together like we did last year I have no doubt we will accomplish Jeffs goals. I have been given a key for the Parmatown Classroom Capable of seating 36 at this time as funds increase they will purchase more seats and tables. A projector, screen Computer system and sound system is being installed with in the next few weeks. It has been offered to the Western Reserve free of charge on evenings and weekends.

It is time for the IAEI 2011 prepublication program.
In orders of 10 Soft Bound NEC \$55.70 includes shipping
In Orders of 10 Handbook \$97.62 includes shipping
Soft bounds are available \$62.20 in orders of 10
Order forms are on the sign in table. Minimum orders of 10 are only allowed.
Members must prepay prior to May 1st to take advantage of this discount.
We will place all orders prior to the June 4th deadline.

Ohio Chapter IAEI Annual Meeting and Professional Development Seminar
May 3, 4, & 5 2010
at
Kings Island Resort
5691 Kings Island Drive
Mason, Ohio 45040

There will be three and possibly a fourth \$1000 Steve Tomblin scholarship awards being offered this year. Due date is no later than March 13, 2010. Email the applications to Tim McClintock at timmccclintock@gmail.com. Or USPS them to Tim McClintock 11813 TWP Rd. 516 Shreve, Ohio or go to the Ohio Chapter website for more info. You can download the applications on our site just go to the events section and the instructions and application downloads are already posted.

Code questions for the Seminars code panels are being asked to be sent to Tom More. Please send all questions to Tom by Email or you can forward them to me and I'll see he gets them.

We are in the running to reclaim the Membership flag this year with the most new members at 17 this year but are overall is at -4% as of January 3, 2010. Since then Mark Rom has received quite a few more so our overall standing should improve. Overall we are in the top 3 but those divisions have very few members 26, and 76. The division with 26 got 2 new members. (Ohio Eastern) (West Virginia)

We have a lot to cover tonight so lets please keep our Posted Good of the order topic 240.24.(A)(1) to a reasonable time frame. We have presenters that came for our educational program; let's show consideration for their effort. This is an important topic and there is no reason we cannot resolve this issue in about 20 – 30 minutes.

GOOD OF THE ORDER

There has been a fair amount of confusion on Article 240.24 (A) (1)
This topic came up at our code panel a few months ago.

One of our members got tagged for terminating a grounding electrode in a meter base by a local jurisdiction. The contractor stood his ground and refused to relocate it. They were able to resolve it by having the AHJ rule on it and the AHJ found in favor of the contractor.

This picture is from the 2005 NEC Handbook. This is not new!
After a discussion with the attending membership it was found by a unanimous vote that the AHJ made the correct call.
Grounding Electrodes can be installed at the Weather head, the meter can, or the service disconnecting means for above ground services. For an underground service then you have two choices the meter can or the service disconnecting means.

250.24 Grounding Service-Supplied Alternating-Current Systems

(A) System Grounding Connections A premises wiring system supplied by a grounded ac service shall have a grounding electrode conductor connected to the grounded service conductor, at each service, in accordance with 250.24(A)(1) through (A)(5).

(1) General The connection shall be made at any accessible point from the load end of the service drop or service lateral to and including the terminal or bus to which the grounded service conductor is connected at the service disconnecting means.

The grounded conductor of an ac service is connected to a grounding electrode system to limit the voltage to ground imposed on the system by lightning, line surges, and (unintentional) high-voltage crossovers. Another reason for requiring this connection is to stabilize the voltage to ground during normal operation, including short circuits. These performance requirements are stated in 250.4(A) and 250.4(B). The actual connection of the grounded service conductor to the grounded electrode conductor is permitted to be made at various locations, according to 250.24(A)(1). Allowing various locations for the connection to be made continues to meet the overall objectives for grounding while allowing the installer a variety of practical solutions. Exhibit 250.8 illustrates three possible connection point solutions to where the grounded conductor of the service could be connected to the grounding electrode conductor.

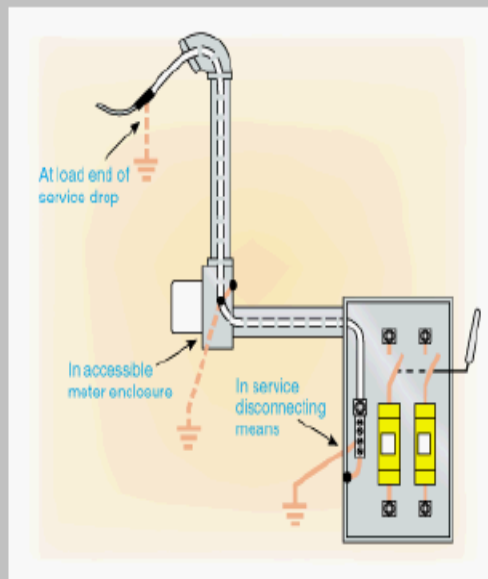
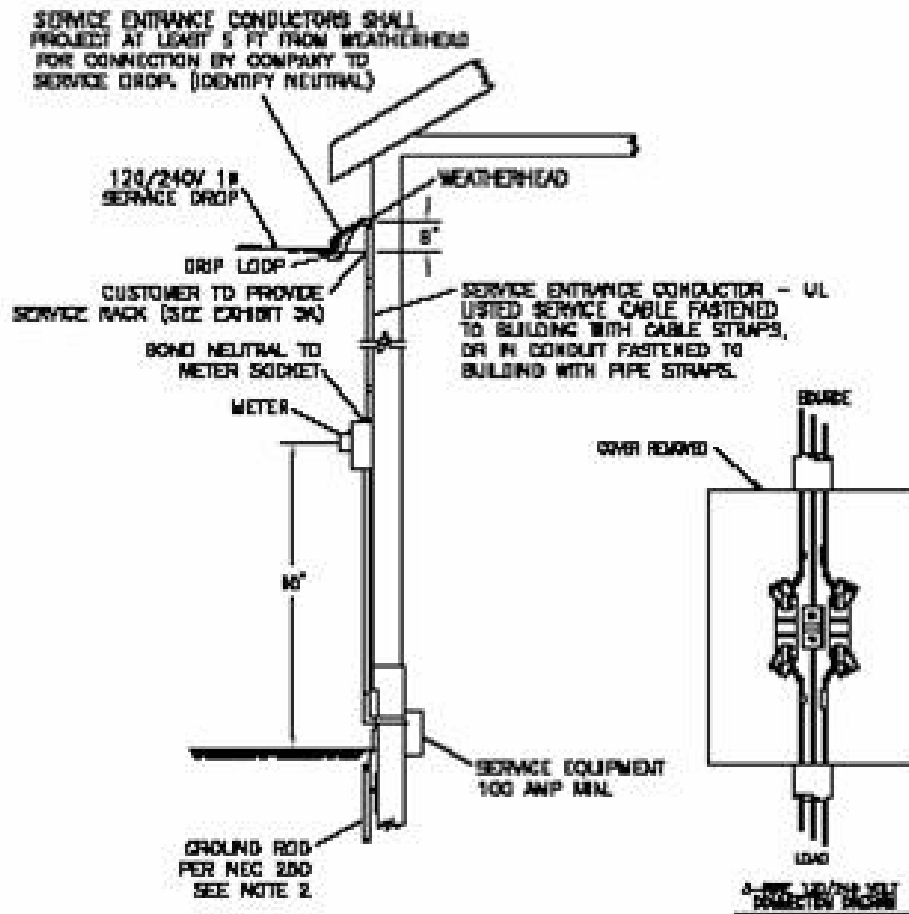


Exhibit 250.8 An ac service supplied from an overhead distribution system illustrating three accessible connection points where the grounded service conductor is connected to the grounding electrode conductor according to 250.24(A)(1).

For those who feel that a seal on the meter can makes it non accessible, you are wrong. A seal can be cut faster than taking out the screws of a panel. As for the argument that the utility doesn't want you in the metering equipment, here is their policy from their latest service installation manual.

READ NOTE #2



NOTES:

1. SERVICE DROP CLEARANCES ABOVE GRADE, ALLEYS, DRIVEWAYS, AND AREAS SUBJECT TO TRUCK LOAD, SHALL BE IN ACCORDANCE WITH NEC. MINIMUM GROUND CLEARANCE OF 10 FT TO THE BOTTOM OF THE DRIP LOOP IS REQUIRED AS PER NEC.
2. MINIMUM GROUNDING REQUIREMENTS PER NEC 350. METER SOCKET(S) MAY BE CONNECTED TO AN EXTERNAL GROUND ROD IF REQUIRED BY LOCAL INSPECTION AUTHORITIES.
3. FOR CUSTOMER/COMPANY RESPONSIBILITIES SEE COMPANY SPECIFIC SERVICE GUIDE EXHIBIT 1B.

OVERHEAD SERVICE
RESIDENTIAL ENTRANCE INSTALLATION

<i>FirstEnergy</i>	
Service Order	REV.
EXHIBIT 3	
6 DATE 8/08	

NEW BUSINESS

A Motion to take out a full page add for \$150 in the Ohio Chapter Seminar program.

1st Keith Foulkes

2nd Jerry Gerber

OLD BUSINESS

No Old Business

***A special thanks to Jack Bene' and Erika M. Weliczko*
*For two great presentations.***

Meeting adjourned at 9:00PM