

Minutes of the 12 March 2024 Membership Meeting  
of IAEI Western PA Chapter

Gaetano's  
1617 Banksville Road  
Pittsburgh PA 15216

Steve Palchowski called the meeting to order at 7:00 pm with 48 members present. The meeting opened with the Pledge of Allegiance to our flag and a moment of reverence to honor those serving in our military and all first responders, both past and present.

The minutes of last month's meeting, emailed to members, were presented on screen by Steve Palchowski. No changes or corrections were offered by the membership. Steve announced the chapter sponsored summer Pirates Baseball Game on 24 August 2024. Members will be required to pay for tickets when they sign up and the amount paid will be refunded after the game.

Steve Palchowski introduced Eric Lanford and Heath Crone from Copper Weld as tonight's speaker. Copper Weld began in 1915 as a manufacturer of copper clad steel grounding rods. Today it manufactures copper clad aluminum wire. The following topics were presented in detail using video images and oral dialog.

NEC recognition of Aluminum wire in cable and copper cladding since 1972.  
NEC 2017 Article 310.15B metallurgically Bonded copper clad Aluminum wire/cable assemblies  
UL 719 and ASTM B566, 8000 Series copper clad aluminum wire, how it is made.  
Older, 1970, 1350 Aluminum is no longer in use.  
Detailed illustrations and enlarges views of metallurgical bonding.  
Costs, 500 MCM copper clad wire cable offers a 20% cost savings to the project.

Program break for refreshments 8:00 pm to 8:15 pm.

Installation, copper clad aluminum wire cable is a more flexible assembly.  
Connectors and connections using Copper and copper clad wire are galvanically similar, UL 4016.  
In residential wiring, typically #12 wire is used for 15 Amp and #10 for 20 Amp applications.  
Cable color is not a NEC requirement, it is a manufacturer's option.  
NEC 2017 Article 110.14 Electrical connections were reviewed in detail.  
ASTM 566 Modern copper clad aluminum wire is resistant to galvanic corrosion and thermal creep.  
The speakers addressed questions and comments from attendees.

The program adjourned at 9:15 pm.

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