Minutes of the 16 March 2023

Membership Meeting of IAEI

Western PA Chapter

Gaetano’s

1617 Banksville Road

Pittsburgh PA 16216

Joe Fello called the meeting to order at 7:00 pm with a Pledge of Allegiance to our flag and a moment of silence for those serving in the military and first responders everywhere with 46 members present.

**Program and education:** Dean Nutter of Fields Electric Sales introduced their Product Sales Specialist for Western PA, Michael Cuscino and Jonathan Fallert and Sothhwire’s representative Barney Harper.

Mr. Harper’s presentation opened with comments on today’s market where most industrial wiring products are difficult to get and the contractor must order as early as possible to have products on site on schedule. Southwire is the largest cable manufactured in the USA and can provide all special use armored cable medium voltage cable and cable tray installations. These products were illustrated with videos showing the details of commonly used cable assemblies, typical installations and terminations. These products are commonly used in the petroleum industry, water plants, commercial buildings, hospitals. data facilities, and the mining industry.

Time was given to discuss the special code requirements for machine tray and VFD installations covered by NFPA 79.

Dave Platt presented a number of new and timely topics from the 2017 NFPA 70, the National Electrical Code.

The following is list of those topics:

300.50 Underground Installations,

Table 300.5 Minimum Cover requirements

300.50(B)(3)(C) Protection from Damage

300.50(D)(4) Splices, protection from damage

300.15(B)(7) Single-Phase Dwelling Services and Feeders

312.5(C)Cabinets, Cutout Boxes, and Meter Enclosures

312.6(B) Deflection of Conductors, minimum wire bending space

312.8(B) Power monitoring equipment

314.16(A) and (B) Number of Conductors in Outlet Boxes, Devices, and Junction Boxes

314.17(B) Conductors Entering Boxes, Conduit Bodies, or Fittings

314.27(E) Outlet Boxes, Utilization Equipment

320.6 Armored Cable, Listing Requirements

324.12(5) Flat Conductor: Type FCC, In schools and hospital buildings, and other areas

336.10(7)(c) Power and Control Cable, Uses Permitted

344.14 Rigid Metal Conduit: Type RMC, Dissimilar Metals

350.28 Liquid tight Flexible Metal Conduit: Type LFMC, Trimming

358.10 Electrical Metallic Tubing: Type EMT, Trimming

The meeting was adjourned at 9:30 pm.