



Watt's Current

at the Minneapolis Electrical JATC

November 2023

Apprentice of the Month

The Milwaukee Tool Apprentice of the month for November is first year wireman: **Armen Vahanian**

Congratulations Armen!

Code Corner

A straight length of PVC is installed outside in MN. The temperature will drop to negative 20 below and rise to 100 degrees. The conduit is installed at 85 degrees. What is the maximum length of the PVC which would not require the use of an expansion fitting? If an expansion fitting is to be installed, how should it be installed?

Answer will appear in next month's newsletter.

Last month's answer: False. In accordance with 310.12 the minimum size service entrance conductor for a 100 Ampere dwelling is a #4 AWG. As required in 250.66 and Table 250.66, the minimum size grounding electrode conductor for a service with a #4 AWG service entrance conductor is a #8 AWG and not a #4 AWG as mentioned in the question. Additionally, a concrete encased electrode adequately supplements a metal underground water pipe electrode in accordance with 250.53(D) (2) and the two additional ground rods are not required.

Feedback

Questions, comments, or something you'd like to see in a future newsletter? Email Anna at amarx@mplsjatc.org.

Thanksgiving & Gratitude

Thanksgiving is a day where many people take time to think about what they are grateful for, but did you know, a consistent daily practice of gratitude can actually change the neural structures in the brain? Over time, focusing on gratitude can help us feel happier, more content, and foster a greater sense of overall wellbeing. Some of the clinically proven benefits associated with practicing gratitude include improved sleep, reduced symptoms of physical pain, lower levels of inflammation in the body, and lower blood pressure. Yes, you can "rewire" your brain by directing your thoughts toward gratitude.

We are grateful for all of our apprentices, and to show that appreciation, we will be serving pie, coffee, and hot chocolate in the Commons during afternoon break the week of 11/13-11/16. We hope to see you there!

Dawn Wenisch, Applications Administrator

NOVEMBER 2023				
M	T	W	T	F
		1	2	3
		APPR CLASS - WEEK 8 OF 30		
		6PM ST. CLOUD MTG	STUDY HALL 3:30-5:30PM	
6	7	8	9	10
NO APPRENTICESHIP CLASS				JATC CLOSED VETS DAY (OBSERVED)
13	14	15	16	17
APPR CLASS - WEEK 9 OF 30				
2PM BREAK PIE & COFFEE	2PM BREAK PIE & COFFEE	2PM BREAK PIE & COFFEE	2PM BREAK PIE & COFFEE	9AM JATC MTG
20	21	22	23	24
NO APPRENTICESHIP CLASS				JATC CLOSED DAY AFTER THANKSGIVING
			JATC CLOSED THANKSGIVING	
27	28	29	30	
APPR CLASS - WEEK 10 OF 30 (DEF TEST)				
		4:30PM LATE TC MTG		

Ask a Senior Sparky

Each month we will present questions anonymously from the apprentices to the 292 Retiree Group. They will choose one to respond to in a future newsletter. If you would like to submit a question for consideration, please drop it off at the front desk or email to Anna at amarx@mplsjatc.org.

Dear Senior Sparky,

I am on an outside project where I am working with an operator and under the supervision and direction of a Foreman. What do I do if the Foreman constantly gives the layout and work assignment to the Operator and not to myself, and the work assignment is electrical in nature?

Sincerely, Concerned Apprentice

Dear Concerned Apprentice,

It is recommended to speak to the Foreperson privately and respectfully at first. Ask for the layout information to be provided to them as well as the Agreement stipulates that electrical layout and work is our work and the Operating Engineer is there to operate equipment and not do electrical work. A private conversation at first is a good approach as the Foreperson may not even realize that they are doing it. If that does not resolve the situation, then talk to the following in this order: trusted JW on the jobsite, job steward, and shop steward. If it is not resolve, contact the Hall and discuss with a Union Rep.

Sincerely, Senior Sparky

Thank you to the Retirees for their insight & wisdom from many years of experience in the electrical field.

Available CE Classes

Many specialty Continuing Ed (CE) classes for this school year still have space available including: Building Automation, Basic & Advanced Pipe Bending, Fire Alarm NFPA 72, Modern Solar, Motors & VFDs, PLC I & II, Welding, etc. Registration available through your JATC web account. Apprentices must pay for class fees up front, but are eligible to be reimbursed for up to \$150 worth of CE classes and/or optional books for this school year.

New JATC Apparel Arriving Soon

We have heard the many requests for new apparel, and have new items on the way. Below are the new designs which include two t-shirt options, a hoodie, a zip-up hoodie, and a baseball cap. We hope to see these delivered later this month and will send out a text with additional information and pricing once they're available.

Navy with White Logo Baseball Cap



Black Sparky T-Shirt



Black Sharp Display Hoodie



Navy Woodcut Wilderness Zip-Up Hoodie



Charcoal Flourish T-Shirt

Upcoming Affinity Group Meetings & Events

EWMC 11/27 Meeting at IBEW 292 Hall at 5pm

RENEW 11/4 Mental Health Workshop at IBEW292 Hall at 10am;
11/28 Meeting at IBEW 292 Hall at 4:30pm

SIS 11/18 Pipe Bending Class at the JATC from 7:30am-12:30pm (lunch after class)

Vets 11/21 Vets Night at Palmer Lake VFW in Brooklyn Park at 5pm