



Watt's Current

at the Minneapolis Electrical JATC

January 2024

Apprentices of the Month

The Milwaukee Tool Apprentice of the month for January is 2nd year apprentice: **Jaden Olsen**
 Congratulations Jaden!

Code Corner

I am doing work in a hospital, in a category 2 patient care space. Is it permissible to use regular MC cable, which the cable jacket does not qualify as an equipment grounding conductor in accordance with 250.118, but does contain two insulated wire-type equipment grounding conductors which are continuous green and continuous green with a yellow stripe to supply receptacle outlets in the patient care space?

Answer in February 2024 newsletter.

Last month's answer: With the 2023 NEC change to 210.62, the number of receptacle outlets is now based upon a 6-foot rule. To be no more than 6 feet from a receptacle for 65 feet of show window, a minimum of 6 receptacle outlets would need to be installed. To determine the minimum number of branch circuits, 220.14(G) permits two methods of either until load per outlet as allowed by other provisions such as 220.14(I) which allows a load of 180 volt-amperes per receptacle outlet, or 200 volt-amperes per linear (1 ft) of show window. For 220.14(G)(2), consider that the load is continuous, using 200 VA per foot, $65 \times 200 \text{ VA} = 13,000 \text{ VA}$. Then, $13,000 \text{ VA} / (120 \text{ V} \times 20 \text{ A} \times 1.25) = 4.33$ or 5 circuits. For 220.14(G)(1), consider 6 receptacles at 180 volt-amperes each, the maximum number of continuous loaded receptacle outlets on a 20-ampere branch circuit would be $(120 \text{ V} \times 20 \text{ A}) / (180 \text{ VA} \times 1.25) = 10.66$ or 10 receptacle outlets. Therefore the minimum number of 6 receptacle outlets required would be permitted to be supplied by one 120-volt, 20-ampere branch circuit. Answer, 6 receptacle outlets, 1 branch circuit.

Happy New Year!

We hope that 2023 was a great year for you and we encourage you to look back and reflect upon the positive things that happened and see your growth, advancement, and improvement. While 2023 was a great year, we hope that 2024 will be even better for you. Make 2024 a better year, the best year! Challenge yourself! Your greatest growth will occur when you challenge yourself and push yourself outside of your comfort zone. You are in competition with yourself! You are in control of your career, have a positive mindset, believe you can accomplish the goals you establish for the year, work hard for those goals, and know you have the ability to accomplish those goals! You are all part of a great Union; a group where you can feel like you belong! Be active and support each other in making 2024 the best year! - Derrick Atkins, Training Director

JANUARY 2024				
M	T	W	T	F
1	2	3	4	5
NO APPRENTICESHIP CLASS - NEW YEAR'S				
JATC CLOSED NEW YEAR'S		6PM ST. CLOUD 292 MTG		
8	9	10	11	12
APPR CLASS - WEEK 14 OF 30				
STUDY HALL 3:30-5:30PM	5:30PM 292 MTG			
15	16	17	18	19
NO APPRENTICESHIP CLASS - MLK				
JATC CLOSED MLK DAY				9AM JATC MTG
22	23	24	25	26
APPR CLASS - WEEK 15 OF 30				
			4:30PM LATE TC MTG	
29	30	31		
APPR CLASS - WEEK 16 OF 30				

Upcoming Affinity Group Meetings & Events

EWMC 1/22 Mtg at 292 - 5pm

SIS 1/25 Mtg at 292 - 4pm

RENEW 1/23 Mtg at 292 - 5pm

Vets 1/16 Mtg at 292 - 5pm

Workforce Coordinator Introduction



Please help us welcome Nicole O'Connor, our new Workforce Coordinator here in the JATC office. Below is an introductory message from Nicole:

Hello Apprentices - I hope you all are ready for an amazing 2024. I recently accepted the position of Workforce Coordinator at the JATC. My name is Nicole O'Connor and not too long ago, I was one of you. I have been in the electrical field for 7 1/2 years, 2 1/2 of those as a Journeyworker in a Foreman position at Egan Company. While at Egan, I worked on a long-term, high-profile construction project, served as a Safety Coordinator for a contract customer, and was a mentor for women in the industry. I loved working in the field, but I've always enjoyed helping with career fairs and recruitments. When this job listing was posted, it "literally screamed Nicole". I am looking forward to meeting new people and reconnecting with old friends. Everyone has a story about how they decided to become an electrician, and I enjoy hearing them, sharing my journey with others, and letting people know about the apprenticeship we have in Local 292. One of my goals as Workforce Coordinator is getting the JATC involved in more career and trade fairs with high schools and other places of interest. So many individuals don't know about the amazing benefits of an apprenticeship. If you would like to participate in recruiting, please reach out to me. I can always use an extra hand at sharing real life experiences. I am also here for anyone who wants to talk about classes or jobsites if you may need to share some concerns you are having.



I am excited for this new chapter in life and look forward to connecting with you all at some point. Honestly, one of the best decisions I made was applying for the apprenticeship. I hope you all are making the best of it. Learn from your instructors and your journeyworkers and all of the hard work will definitely pay off in the future.

I'd also like to put a challenge out to apprentices. We are starting a monthly photo contest of you! Do you have an amazing photo you'd like to share of yourself at work, of a jobsite, or of your craftsmanship? We do some pretty cool things in our industry and it'd be exciting to share it with others on our social media pages. We will pick one winner on February 1st. What do you get for winning? New swag from our latest clothing line.

To participate, please send photos to Nicole at noconnor@mplsjatc.org (limit one photo per apprentice).

Ask a Senior Sparky

Each month we present questions anonymously from the apprentices to the 292 Retiree Group and they choose one to respond to. 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, As an Apprentice, I would like to get more involved with the Local. What is the best way to get more involved and could you explain some of the benefits of being more active in the Union? Sincerely, Apprentice

Dear Apprentice, One of the best ways to get involved would be to attend the monthly Union Meetings. Additional to attending meetings would be to attend union events such as the summer picnic, Christmas party, volunteer for projects such as the Veterans or Sister in Solidarity work with habitat for humanity or the RENEW group and the highway cleaning project. Attend groups such as the Electrical Workers Minority Caucus, Sisters in Solidarity, RENEW, or the Veterans group and other various volunteer projects. The benefits include making life long friendships and belonging to a fraternity of electrical workers who support each other as what we do is dangerous. We are able to share knowledge and skills with each other and network with others to continue to build on all of our success in the electrical industry. You will truly be able to feel and belong to a group so that when you go to new and different shops and job sites you will already know others that you may end up working with. Get involved with your union and take pride in your membership! Sincerely, Senior Sparky

Thank you to the retirees for their insight and wisdom from the many years of experience they have had in the electrical field and Local. Also, thank you to those who came out in December for Senior Sparky week to answer apprentice questions during break.