



Power-up April's News



Page 2.

TOGETHER EVERYONE ACHIEVES MORE!

MASTERS ELECTRICAL SERVICES LTD. 4239 W. IH-10; SEGUIN, TEXAS 78155

Spring Time

With the abundant bloom of wild flowers and bluebonnets there is no denying spring has sprung! We are all happy to welcome the warmer weather and the abundance of rain. This also means the growing season is upon us and that's just exactly what we are doing here at MES. Thanks to the due diligence and hard work of our estimating team we have been awarded some new projects during the month of March and look forward to starting these jobs in early April.

We here at Masters Electrical Services would like to wish you and your family a safe and "Happy Easter" this year!

Remember, together we can make it our best year yet!

Company Slogan

"No matter what industry you're in nothing happens till the power goes on."

Our Core Value!

Motivation
Attitude
Safety
Teamwork
Excellence
Relationship
Service

Inside This Newsletter

Page #1- Cover Page
Page #2-Project Spotlight
Page #3 - Project List
Page #4 -Safety News
Page #5- EC&M News
Page#6-Employee Spotlight
Page#7- Hot Topics
Page#8- IEC Enrollment

Project Spotlight

HOSS ARMS

McQueeney Gun Club

Of all the projects Masters has been blessed to be a part of the newly completed Hoss Arms/McQueeney Gun Club stands out as one of the most modern and unique. We want to thank our subcontractors Skelton Fire Alarm and RX Technology, as well as Malitz Construction, the general contractor on the project, for their joint effort in making this project a success. We would also like to thank Spencer Dwyer for being the lead foreman on this project. Working closely with the GC and owner, he helped to make this project run smoothly from beginning to end.

With this project we were able to help in the construction of a truly state-of-the-art indoor gun range, and by doing so we helped to bring top of the line arms services and training to our local area. The McQueeney Gun Club is a family owned business dedicated to providing the highest quality service to their community. Their mission is to provide every customer with a full range of knowledge, products, confidence in skills, as well as a safe environment to improve those skills. The technology and experience they provide, along with a full range of services, is what makes The McQueeney Gun Club one of a kind in this area.

From the expert marksman wanting to keep proficiency sharp, to the inexperienced individual who just wants to learn the basics, The McQueeney Gun Club was constructed to be the perfect facility to satisfy any gun enthusiast's needs. The state-of-the-art firing range by Action Target offers twelve handgun/rifle lanes of twenty-five yards, which are all indoors and climate-controlled. Each individual range can be adjusted electronically to the shooters desired distance, and are also capable of simulating real life situations. The range area utilizes all LED lighting, and the retail area boasts six Solatubes fixtures whose primary functionality is at the forefront of energy efficient lighting solution technology. Other exceptional features provided by The McQueeney Gun Club are an on-site gunsmith, retail store, and a classroom for firearm safety, CHL and other training classes.



Project List

New Jobs

- KARNES COUNTY EMS FACILITY 707 WEST MAIN STREET – KENEDY, TX 78119 JOHNIE RIDDLE
- INDIAN CREEK ES ADDS/RENOV (SWISD) 5830 OLD PEARSALL ROAD SA, TX 78242

Current Jobs

- SARAH KING ELEMENTARY 1001 CERVALO STREET, SAN ANTONIO, TX 78207 SCOTT BARKER
- ARNOLD ELEMENTARY 467 FREILING DR - SA, TX 78213 SHAWN SHAW
- POTEET ELEM SCHOOL 1100 SCHOOL DRIVE, POTEET TX. 78065 RUBEN GUERRA
- RIVERCENTER MALL RENOV PH 1 & 2, 849 E. COMMERCE – SA, TX. 78205 PERRY WINCHESTER
- SAN MARCOS PRE-K 1225 HWY 123 - SAN MARCOS, TX JASON DAVIS
- TRINITY BAPTIST CHURCH REMODEL 319 E. MULBERRY - SAN ANTONIO, TX 78212 PAUL BEST
- HOSS ARMS 5990 FM 725 - NEW BRAUNFELS, TX 78130 SPENCER DWYER
- Mc AULIFFE MIDDLE SCHOOL RENOV, 9390 SW LOOP 410 SA, TX PAUL BEST
- GUADALUPE COUNTY AGRI-LIFE BLDG, 210 E. LIVEOAK SEGUIN TX 78155 CODY SMITH
- COLDWELL BANKER 1677 State Hwy 46 Boerne, TX 78006 BRIAN BROOKS
- IDEA-WALZEM PREP SCHOOL 6445 Walzem Road - San Antonio, TX 78239 LONNIE HARPER
- RIVERCENTER WESTSIDE 849 E. COMMERCE - SA, TX, 78205 PERRY WINCHESTER
- POTEET ISD - PIC/PUMP HOUSE/BALLFIELD 838 SCHOOL DR - POTEET, TX. RUBEN GUERRA
- POTEET ISD GYM/FIELD HOUSE 1020 FM 1470 LEMING DR - POTEET, TX. 78065 RUBEN GUERRA
- POTEET ISD CAFETERIA 1021 FM 1470 LEMING DR - POTEET, TX. 78065 RUBEN GUERRA
- ANAQUA SPRINGS PH 2 9 RUE PARKER - BOERNE, TX 78006 RUBEN RODRIGUEZ
- BROADWAY BANK 3rd FL 1021 fm 1470 LEMING DR.-PROTEET, TX MIGUEL VELOZ
- SAISD TRANSPORTATION FACILITY SAN ANTONIO, TX
- SEGUIN PARK WEST 601 VAUGHN ST- SEGUIN TX , 78155
- PARKING LOT EXPAN DEVINE HS SH & FM 2200 ON ARABIAN WAY DEVINE, TX 78016 RUBEN RODRIGUEZ
- SEGUIN PLAZA HOTEL SEGUIN, TX CODY SMITH
- PA OZUNA RLC – PHASE II 1400 W. VILLARET BLVD – SAN ANTONIO, TX 78224 SPENCER DWYER

Recently Completed Jobs

- GATES MINERAL 2969 NACOGDOCHES ROAD - SA TX 78217 ROBERTO FRAIRE SR.
- FENWICK ELEMENTARY 1930 WAVERLY AVENUE - SA, TX 78228 LONNIE HARPER
- NAVARRO ISD ALT #4 6450 N. HWY 123 - SEGUIN, TX 78155 CODY SMITH

Thank you to our foremen in the field and every employee who has helped to complete these jobs. Masters Electric appreciates your hard work! 😊😊

Safety News

TOP 10 MOST CITED STANDARD VIOLATIONS INCLUDE:

1. Fall protection: 7,516 violations (1926.501)

Fall protection should be provided at elevation of four feet in general industry workplaces, five feet in ship yards, six feet in the construction industry, and eight feet in long shoring operations, and whenever working over dangerous equipment. Violation decreased by nine percent

2. Hazard communication: 6,148 violations (1910.1200)

Most violations involved not having met the HazCom 2012 training deadline of Dec 1, 2013. This included a written Hazard Communication program, established training to convert to SDS msds for transporting and holding of hazardous material. Violations decreased by 1 percent.

3. Scaffolding: 4,968 violations (1926.451)

Scaffolding accidents commonly result from planks giving way, employee falls and tumbling objects. An estimated 2.3 million construction workers –65 percent of the construction industry – work on scaffolds frequently. Violations decreased by eight percent.

4. Respiratory protection: 3,843 violations (1910.1200)

An estimated 5 million workers are required to wear respirators in 1.3 million workplaces throughout the United States. Violations decreased by 1 percent.

5. Powered industrial trucks: 3,147 violations (1910.178)

Forklifts, or powered industrial trucks, are efficient tools used in moving heavy loads or storing materials, but can wreak havoc. Violations decreased by six percent.

6. Lockout/Tagout (Lo/To): 3,117 violations (1910.147)

Most electrical accidents result from unsafe equipment, unsafe environments, or unsafe work practices. Violations decreased by four percent.

7. Ladders: 2,967 violations (1926.1053)

Falls are often involved in occupational fatalities. While human errors causes most ladder falls, steps can be taken to minimize injuries. Violations decreases by 11 percent.

8. Electrical, wiring methods: 2,907 violations (1910.305)

Most electrical accidents will result from unsafe equipment, unsafe environments, or unsafe work practices. Violations decreased by sixteen percent.

9. Machine guarding: 2,520: violations (1910.212)

Any machine part, functions, or process that might cause injury must be safeguarded. Violations decrease by nine percent.

10. Electrical, general requirements: 2,427 violations (1910.303)

Electrical hazards are the second leading cause of deaths in the constructions industry, killing and average of 143 construction workers each year. Violations decreased by eleven

EC&M NEWS

Hint: In the hot seat

1) The first problem with this 120V receptacle is the use of liquid tight flexible nonmetallic conduit (LFNC) with PVC connectors and conduit bodies. Section 356.42 requires LFNC to be used only with fittings listed for use with LFNC. PVC connectors and conduit bodies are not listed for this use. This also violates the requirements of 110.3(B) because these wiring methods are not listed to be used in this manner.

Section 356.12(1) prohibits LFNC from being used where subject to physical damage. This installation has obviously seen some abuse because the raceways have completely separated from the conduit bodies. For this wet location, the rules of 406.9(A)(1) have also been violated because a “weatherproof when closed” cover was used instead of a cover that is weatherproof whether or not the attachment plug cap is inserted into this 15A or 20A receptacle.



Hint: Flimsy limbs



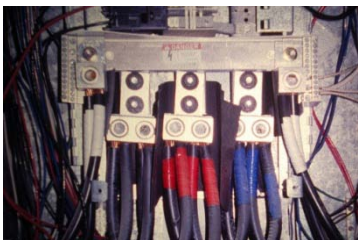
2) The only support provided for this 4-in. octagonal box is the 1/2 in. electrical metallic tubing (EMT) and the 3/8 in. flexible metallic conduit (FMC) connected to it. This is a direct violation of Sec. 314.23, which requires boxes to be secured with any of the provisions in Sec. 314.23(A) through (H). The only one of those sections that is even remotely close to being applicable to this installation is 314.23(E). This section requires the enclosure to have threaded entries or hubs and to have two or more conduits threaded wrench tight into the enclosure or hubs for proper support. If both of the conduits enter the same side of the enclosure, they should be secured within 3 ft of the enclosure or within 18 in. of the enclosure. Unfortunately, none of those requirements has been met. The Exception in 314.23(E) does, however, permit a conduit body to be supported by EMT. It's also questionable whether there is an equipment grounding conductor (EGC) installed in the FMC as required by Sec. 250.118(5)(d) when flexibility is needed.

3) Installing a switch in this way is a violation of 404.3(A), which states that switches “must be of the externally operable type mounted in an enclosure listed for the intended use.” This is also certainly a violation of 110.3(B), since the snap switch is not designed to be installed or used in this way. I'm assuming the piece of cardboard behind the switch was an attempt at installing some type of insulating material between the switch and the grounded metal enclosure, since there is really no clearance for the wires leaving the terminals due to the way this switch is mounted. This is an electrical explosion waiting to happen.

Hint: Don't flip that switch



Hint: If three's a crowd, what are four?



4) After looking at the black, red, and blue phase wires feeding this panel, you should be able to easily spot the Code violation. Four wires connected to a lug designed for only two is a direct violation of Sec. 110.14(A), unless the terminals are specifically identified for that purpose. When you look at the neutral lugs, you see the same problem — two wires connected to a single barrel lug. Section 408.41 similarly requires grounded conductors to terminate within the panelboard on individual terminals that are not used for another conductor. The Exception would permit

paralleled grounded conductors to terminate on a single terminal if it is identified for connection of more than one conductor. The minimum wire bending space required at the terminals may also have been violated since Sec. 312.6 has different dimensions required at terminals for one conductor, two conductors, three conductors, and so forth

Employee Spotlight!

By Jacklyn Villanueva

EMPLOYEE OF THE MONTH



A little bit about our employee

Stephen Uresti has been employed by Masters Electrical Services, LTD since November of 2013 and has been a Lead man under several foremen out in the field. Stephen has worked in the electrical field for seven years and during that time he received his journeymen's license. He enjoys fishing among other outdoor things. Stephen is an avid fan of both the Spurs and Dallas Cowboys. He is a proud father to his six year old son, named after him, Stephen Uresti. He is considered a great asset and a well respected member of our team at Masters Electrical Services, LTD. We truly enjoy having him as an employee.



CONGRATULATIONS!!

Roberto Fraire Jr. is in his 4th year at IEC School in San Antonio. On the 21st of March he attended a competition that tested his knowledge of bending conduit, drawing line diagrams, and motor controls. He is shown here proudly displaying his trophy with instructor Raul Vasquez, (of IEC) after winning second place. Roberto's second place win sent him home with prizes that included a 3/4 inch Bender and a DeWalt radio. Masters Electrical Services LTD is extremely proud to employ Roberto Jr. and we sincerely congratulate him on his achievements and for recently earning his Journeyman's license!

Hot Topics

From Human Resources

Important News For Our Employees!!

We want all our employees to have the opportunity to further their career in the electrical field. Therefore, we want to provide information on Independent Electrical Contractors Apprenticeship Program (IEC) out of San Antonio. This program offers advancement in pay and job position as you progress in school. Masters is also implementing a paid tuition program, which will pay for your tuition if you maintain an A or B average grade, and keep good attendance. For any employee who is interested in the apprenticeship program please refer to Page (8) for more information on how to enroll at IEC or contact our office at 830-303-6330.

Open Enrollment for Health Insurance

Enrollment meeting have already been held for those employees that needed to make changes to their current insurance elections. However, if you plan on making any changes (add, delete, revisions) to your health, dental, vision, disability and/or life insurance benefits and did not attend a meeting you MUST contact Alyssa or Missy at the office. You will need to complete an enrollment form to make these changes effective for May 1st. If you plan on keeping the exact same insurance plan you currently have, please return the form that was sent to all employees or call for a new form.

*****Reminder***** this is the only time that you can make changes to your insurance until May 2016. If you have any further questions please notify Alyssa or Missy at the office at 830-303-6330.

April's

BIRTHDAYS

- John Fitzpatrick 3rd
- Christopher Brannon 5th
- Eric Espinoza 7th
- Michael Garcia 7th
- Brandon Smith 8th
- Joshua Spaw 8th
- Rafael Silvestre 15th
- Spencer Dwyer 17th
- Justin Weddle 28th
- Matthew Rodriguez 30th
- Bradley Gauthier 30th



Happy Birthday from your family here at

Master's Electric Services!

Independent Electrical Contractors, INC.
San Antonio Chapter
2307 Bandera Road
San Antonio, TX 78228
Phone:20-431-2510
Contact: Raul Vasquez

Electrical Apprenticeship Program

September 2015 Classes

Applications are accepted year round at the IEC office
Monday-Thursday, 9:00am,-4:00pm

Applicants must bring the following to apply for entry into IEC:

1. Current and valid Driver's License or State Of Texas I.D. Card
2. Social Security Card or Birth Certificate
3. High School Diploma, High School Transcript, or GED Certificate with Scores
4. Current and valid Texas Electrical Apprenticeship License for TDLR
5. DD214 (if you are a Veteran and want to apply for VA benefits)

Class schedule, tuition costs, and book costs:

1. Class are held Monday - Thursday, 5:30 – 9:30 p.m.
2. Only 2 absences per semester are allowed
3. Tuition is \$400 per semester (2 semesters per year)
4. Books are approximately \$450 for the 1st year curriculum. You must purchase a new set of books yearly from IEC. Prices subject to change.

Additional requirements:

1. Complete 8,000 on-the-job training hours with an IEC Contractor Member
2. Abide by the Apprenticeship Standards and the IEC San Antonio Student Handbook
3. Applicants must furnish their own tools
4. Applicants must be able to identify and distinguish colors
5. Applicants must be physically fit to perform the job duties assigned by the contractor
6. Applicants must have mode of transportation to work jobsite and to school
7. Attend a scheduled interview with the A&T Committee (date to be determined)

IEC San Antonio's apprenticeship program is open to all applicants who meet the requirements without regard to race, creed, national origin, or gender. Women, minorities, and veterans are encouraged to apply.