



Power-up May News



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

TOGETHER EVERYONE ACHIEVES MORE!

To maximize company performance, Masters Electrical Services is making tremendous strides in improving our standards for our employees. Therefore, we will be implementing a new Driver Safety Awareness and Equipment Safety Awareness program, which will be put into practice in the next few months. Together, Rusty, our Safety Director and our outside Risk Management Firm will start scheduling company drivers and equipment operators to attend one or both of the courses depending on your job duties. Please note that these courses will be required by ALL drivers and equipment operators in accordance with our insurance responsibilities. Stay tuned for more information as to when you will be required to attend.

Don't forget to view page (7) for more information from our Human Resource Department.

Also, we would like to wish you and your family a safe and "Happy Mother's Day" 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 - EC&M News
Page #5- Safety News
Page#6-Employee Spotlight
Page#7- Hot Topics
Page#8- IEC Enrollment

Project Spotlight

Sarah King Elementary School

Taking out the old and bringing in the new!!!



Sarah King Elementary School has been selected as the project spotlight for Masters Electrical Services due to the unique qualities of the project. Also, it brings many different aspects of construction into one project. The Project team includes Architect, Saldana & Associates, General Contractor, Morganti-Casias, M.E.P. Engineer, and Kinetics Consulting; we are pleased to be working side-by-side with these firms on this project.

A behind the scene look into Sarah King Elementary

This project was designed to accommodate a capacity of 880 students while leaving the existing gym intact for the new facility. The new school will be built from the ground up near the existing school, and only a couple of feet separate the two. Upon completion of the new building, and transfer of furniture and equipment is completed, the old building will be demolished. The design includes new parking area in the footprint of the existing building. The Project is entering the final phases with a target date of May 18th for TCO. The Masters Electrical team has installed over 2,000 lighting fixtures, new 3,000 AMP main switches and 3,000 AMP main switch boards for the 108,750 Sq ft. building. Summit Electrical provided both EATON switchgear and DAYBRIGHT\LIGHTOLIER fixtures from ERT.

We can proudly say that we are on schedule for the summer 2015-2016 school year move in. Project challenges have been numerous from weather to multiple instances of major theft and vandalism. However, we have stayed focused on getting the job completed to meet project expectations.

A big thank you

We would like to thank Scott Barker for his professionalism and hard work, and all of the Masters Team members that have and will work on this project. Please realize the history involved in this project and take pride in your contribution to it. We also want to thank Architect, Saldana & Associates, General Contractor, Morganti-Casias, M.E.P. Engineer, and Kinetics Consulting for giving Masters Electrical Services LTD. the opportunity to work on this unique project.

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 | ROBERTO FRAIRE SR. |
| • SEGUIN PUBLIC LIBRARY | 313 WEST NOLTE ST. SEGUIN TX 78155 | CODY SMITH |

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 |
| • HOSS ARMS | 5990 FM 725 - NEW BRAUNFELS, TX 78130 | SPENCER DWYER |
| • Mc AULIFFE MIDDLE SCHOOL RENOV, | 9390 SW LOOP 410 SA, TX | PAUL BEST |
| • COLDWELL BANKER | 1677 STATE HWY 46 BOERNE, TX 78006 | BRIAN BROOKS |
| • IDEA-WALZEM PREP SCHOOL | 6445 WALZEM RD – 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 |
| • 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 |
| • GUADALUPE COUNTY AGRI-LIFE BLDG, | 210 E. LIVEOAK 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! 😊😊

EC&M News

Test Your Knowledge!

NEC Violation



Hint: Beware of what lurks below the surface

Lurking beneath the top row of conduit and conduit bodies is another row of conduit and conduit bodies. The bottom row more than likely violates the intent of Sec. 314.29, which requires boxes, conduit bodies and hand hole enclosures to be installed in a way that the wiring inside of them can be accessed without removing any part of the building or structure. Some of you may argue that the conduit is not “part of the building or structure.” Therefore, the rules of 314.29 have not been violated. This would depend on your interpretation as to what constitutes “part of the building or structure.” Nonetheless, the bottom row of conduit bodies is not presently accessible; therefore, the intent of 314.29 has been violated.

NEC Violation



Hint: A stretch to flex

Based on the choice of wiring methods used for this swimming pool water pump motor, it's questionable whether the installer even bothered to read Sec. 680.21(A). Branch circuits for pool motors must be installed using conduit or cable listed for swimming pool use, as noted in 680.21(A)(1). On or within dwellings, Sec. 680.21(A)(2) permits EMT. Where flexibility is needed at the motor, 680.21(A)(3) permits the use of liquid tight flexible metallic conduit (LFMC) or liquid tight flexible nonmetallic conduit (LFNC). It does not, however, permit the use of flexible metal conduit (FMC) as was used for this installation. Inside a dwelling unit or its accessory building, 680.21(A)(4) permits any recognized Chapter 3 wiring method, including FMC. However, this installation was made at a community pool. Therefore, the use of FMC in this particular application is a violation. The missing bonding foot lug on the

motor is a violation of 680.26(B)(6), which requires the motor to be bonded to all of the other components mentioned in 680.26(B)(1) through (B)(7).

Safety News

Six Ways to Show Your Service Truck Some TLC....

1. Establish What Electrical Items to Carry

Your main goal is to ensure your service truck contains the diversity in parts needed to handle most calls. For example, you probably want to maintain cable inventory to be able to accommodate circuits from convenience outlets to an electric range, and stock all the devices needed at both ends of the circuit to terminate it. In this photo, an area just inside the truck's left rear door is used to store several different spools of wire.

2. Carry the Same Items in the Same Locations

It's also a smart idea to make sure all your service trucks carry the same items in the same location. This way, your electrician won't waste valuable time searching for a specific part. Here, floor to ceiling racks on one side of the cargo area provide easy access to larger storage bins that contain items like conduit fittings, boxes, circuit breakers, wire connectors, and more.

3. Install Additional Shelving and Bins

Most "off-the-rack" shelving systems don't offer enough storage space for all the parts needed in this line of work. As this photo shows, an open area of shelving near the floor can be used to store small bundles of various cable types. The bins above are a great place to keep track of smaller items like screws, panel blanks, fuses, bushings, bolts, and miscellaneous small parts.



4. Stock Items That Can Make Your Customer's Life Easier

Beyond the basics, you should also stock items that can make your customer's life easier, such as outdoor motion detector controlled light fixtures and timers, or safer (e.g., arc fault circuit interrupters, ground fault circuit interrupters, and surge protectors). To further simplify matters, use separate bins, like the ones shown in this photo, to keep track of different manufacturer's parts.



5. Don't Forget Tools and Equipment

Organize an area for your technician to maintain his personal tools, and verify that the company-supplied tools are neatly organized as well, as demonstrated by this photo.

6. Create a Master Directory

Although it may seem like a daunting task, list out your bin numbers, what goes in them (and in what quantity), and map out your truck. Use this map as a prototype for all your service trucks. By properly organizing and not overstocking, you should be able to fit everything you need into an extended size cargo van.

Employee Spotlight!

By Jacklyn Villanueva

EMPLOYEE OF THE MONTH



Lonnie Harper, Job Foreman

About Our Employee

Lonnie Harper has been employed by Masters Electrical Services, LTD since 1999 and started as a project foreman. He received his Journeyman license in 1993 and his Master electrician license in 1999. Lonnie has successfully managed and completed numerous projects throughout his 16 year employment. His experience in the electrical field reflects his hard work ethic and commitment to our company. Lonnie has been happily married since 1982 and is a proud parent to a son and a daughter. He enjoys fishing and boating in Corpus Christi, but mostly enjoys it locally in Canyon Lake. We consider Lonnie to be a critical asset and a well respected member of our team at Masters Electrical Services, LTD. We truly enjoy having him as a leader and employee.

HOT TOPIC

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.

Insurance Open Enrollment Is Complete!!

May 1st changes to your insurance are effective and payroll deductions will reflect changes made.

*****Reminder***** Open enrollment was the only opportunity to 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.

We are currently taking applications for:

- Electrical Helper/ Apprentice
 - Requirements:
- ❖ Must have reliable transportation
- ❖ One year electrical experience

MAY BIRTHDAYS

- David Drennan 3^{ed}
- Eric Hughes 3^{ed}
- Kyler Spaw 4th
- Roel Garcia 5th
- Julio Fraire 11th
- Roberto Rodriguez 19th
- Perry Winchester 20th
- Curtis Commons 21st
- Anthony Baker 24th
- Ruben Rodriguez 26th
- Matthew Barillet 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.