



Power-up September's News



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

TOGETHER EVERYONE ACHIEVES MORE!

Highlights for September!

Masters Electrical Services is please to recognize eleven of our employees who have enrolled in Independent Electrical Contractors Apprenticeship Program (IEC) out of San Antonio. They will start attending the program early this month, so we want to congratulate you all on a positive step toward and rewarding career in the electrical field and are pleased to be a part of it.

Also we want to remind you that our office is closed Monday, September 7th in observance of Labor Day, and most jobs will be closed as well. Please ask your superintendent or the office if you have any other questions in regards to the holiday work schedule.

Don't forget to view page (8) for more important information from our Human Resource Department.

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

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Project Spotlight

SOUTH TEXAS WASTEWATER

TREATMENT!!

Masters Electrical Industrial projects are advancing and thriving! Especially with a project like this Waste Water Treatment Plant and Lift Station in Bulverde, Texas. This plant will service the new shopping complex and residential housing at the corner of Hwy 281 & Hwy 46.

About the (STWT)...

The plant is owned by the city of Bulverde and operated by GBRA. This is a state of the art plant with a backup generator, and Scada monitoring system. South Texas Wastewater Treatment (STWT) opened for business in 1986 with Dr. O. David Graham P.E.

as owner/operator. The company started with the intention of offering local residents other options for wastewater treatment and disposal. Conventional septic systems installed in rock were not only expensive in areas where blasting was required to install lateral lines, but also threatened to contaminate well water. JET Inc. offered a wonderful solution to both problems, a treatment system which would encourage the use of aerobic bacteria to treat the wastewater allowing the effluent to be either pumped to a shallow pressure dosed system (LPP), or sprayed on the surface. STWT was one of the first companies in San Antonio and surrounding areas to introduce aerobic treatment.

Dr. Graham invited his son-in-law, Bruce Cobabe, to be his partner in 1994 Bruce brought his knowledge of sales and a vision of growth which took the company to new heights expanding sales and installation in both residential and commercial applications. The company continued to grow and increase in sales and installations almost exclusively by word of mouth. In 1999 the pair were joined by Dr. Graham's son Ron Graham to help run the growing company in designs, installations of residential systems, and inspections.

South Texas Wastewater Treatment is a family run business that prides itself in remembering that the customers, exceeding 3,000, are the ones that have helped this company to grow, and STWT regularly strives to make each customer feel as if they are the only one the company services. After 23 years of business in the hill country and surrounding areas, STWT still does not actively advertise and business continues to increase significantly. The owners and employees of STWT are truly committed to excellence in designs, installation and service of residential and commercial systems.

Masters Electric has done a number of Waste Water Treatment Plants from small neighborhood package plants to large city projects. We have traveled as far as Queen City, just south of Texarkana and Pecos, Texas.

A Big Thank You...

We would like to thank Kevin Moline for his professionalism and hard work and all Masters Team Members that have and will work on this project. Please realize the importance involved in the project and take pride in your part of it. We would like to also thank Pesado Construction for their professional leadership as the general contractor and for giving Masters Electrical Services LTD. the opportunity to work on this unique project.



Project List

New Jobs

• RAST IRON WORKS	6430 RAILWAY, SAN ANTONIO TX 78218	SHAWN SHAW
• ECISD SERVING LINES	6126 SINCLAIR RD, SAN ANTONIO TX 78222	RUBEN RODRIGUEZ
• BROADWAY BANK 5 TH & 6 TH FLOORS	1177 E. LOOP 410, SAN ANTONIO, TX 78209	MIGUEL VELOZ
• TLU SOCCER FIELD LIGHTS	1000 WEST COURT ST. SEGUIN TX 78155	ROBERTO FRAIRE, JR.
• TRINITY UNIV FRESHII FOOD COURT	ONE TRINITY PLACE - SA, TX 78212	JOHNIE RIDDLE
• WELLS FARGO BANK REMODEL	NEW BRAUNFELS, TX 78130	JASON DAVIS
• IDEA WALZEM PREP SCHOOL PHASE 2	6445 WALZEM RD, SA TX 78239	LONNIE HARPER
• BEXAR COUNTY VISTA VERDE 4 TH FL	233 N. PECOS LA TRINIDAD, SA TX	RUBEN RODRIGUEZ
• CAVENDER CHEVROLET MAKE READY	30700 IH 10 WEST, BOERNE TX 78006	
• IDEA - MAYS SECONDARY SCHOOL	8738 WATERS EDGE DR, SA TX 78245	ROBERTO FRAIRE
• PARKWAY OAKS SHOPPING CENTER	938 WURZBACH PKWY, SA TX 78216	
• LOCKHART ISD NEW ELEMENTARY	FM 1854 LYTTON SPRINGS, TX 78616	SCOTT BARKER

Current Jobs

• SARAH KING ELEMENTARY	1001 CERVALO STREET, SAN ANTONIO, TX 78207	SCOTT BARKER
• ARNOLD ELEMENTARY	467 FREILING DR - SA, TX 78213	SHAWN SHAW
• RIVERCENTER MALL RENOV PH 1 & 2,	849 E. COMMERCE – SA, TX. 78205	PERRY WINCHESTER
• Mc AULIFFE MIDDLE SCHOOL RENOV,	9390 SW LOOP 410 SA, TX	PAUL BEST
• 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
• SAISD TRANSPORTATION FACILITY	SAN ANTONIO, TX	RAFEAL SILVESTRE
• SEGUIN PARK WEST	601 VAUGHN ST- SEGUIN TX , 78155	CODY SMITH
• 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
• 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.

Project List

Current Jobs

- | | | |
|-------------------------------------|---|------------------|
| • SEGUIN PUBLIC LIBRARY | 313 WEST NOLTE ST. SEGUIN TX 78155 | CODY SMITH |
| • SINGING HILLS WWWT & LIFT STATION | HWY 281 & HWY 46, BULVERDE, TX 78154 | KEVIN MOLINE |
| • HOMEWOOD SUITES PARKING STRUCTURE | 419 S. ST. MARY'S ST, SAN ANOTION, TX | JAIME PAWELEK |
| • EOG RESOURCES | VARIOUS LOCATIONS | JOHN FITZPATRICK |
| • DEVINE HS PARKING LOT EXPANSION | SH & FM 2200 ON ARABIAN WAY , DEVIN, TX 78016 | RUBEN RODRIGUEZ |
| • CHEYENNE PETROLEUM | CHEYENNE | JOHN FITZPATRICK |
| • HEALTH BY DESIGN | 602 PAESANOS PKWY SUITES 108, SA TX 78231 | BRIAN BOOKS |

Recently Completed Jobs

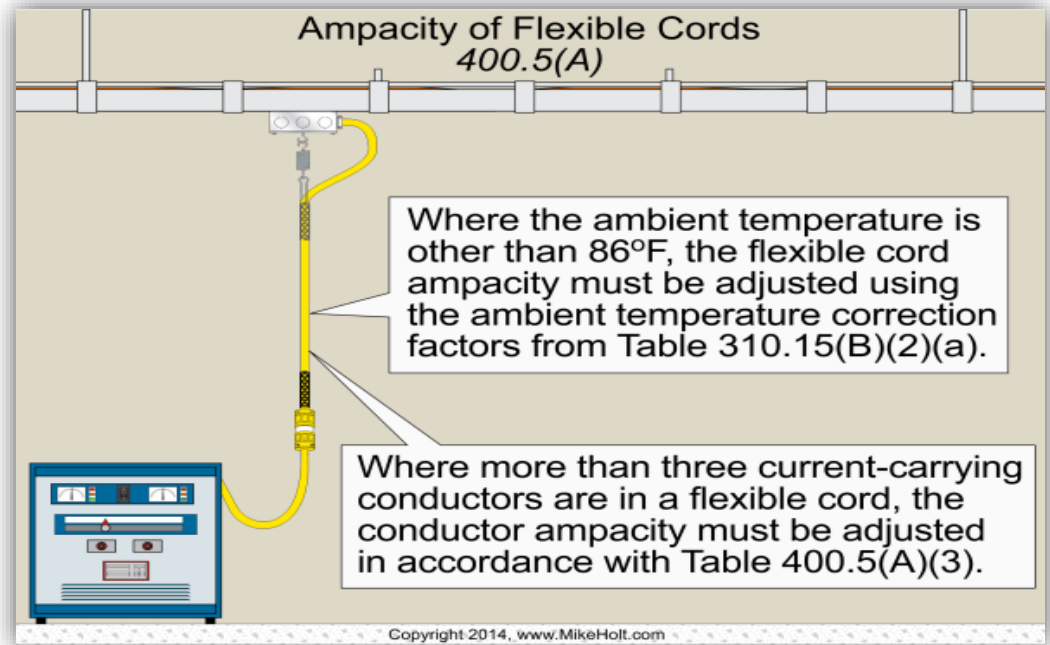
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|----------------------------------|---|--------------------|
| • GATES MINERAL | 2969 NACOGDOCHES ROAD - SA TX 78217 | ROBERTO FRAIRE SR. |
| • FENWICK ELEMENTARY | 1930 WAVERLY AVENUE - SA, TX 78228 | LONNIE HARPER |
| • NAVARRO ISD ALT #4 | 6450 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 |
| • BROADWAY BANK 3rd FL | 1021 FM 1470 LEMING DR.-PROTEET, TX | MIGUEL VELOZ |
| • HOSS ARMS | 5990 FM 725 - NEW BRAUNFELS, TX 78130 | SPENCER DWYER |
| • POTEET ELEM SCHOOL | 1100 SCHOOL DRIVE, POTEET TX. 78065 | RUBEN GUERRA |
| • COLDWELL BANKER | 1677 STATE HWY 46 BOERNE, TX 78006 | BRIAN BROOKS |

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

Q&A

Q. What are the ampacity requirements for flexible cords?



A. Table 400.5(A)(1) lists the allowable ampacity for copper conductors in flexible cords and flexible cables and Table 400.5(A)(2) lists the allowable ampacity for copper conductors in flexible cords and flexible cables with not more than three current-carrying conductors at an ambient temperature of 86°F [400.5(A)]. Where the number of current-carrying conductors in a cable or raceway exceeds three, the allowable ampacity of each conductor must be adjusted in accordance with the following multipliers:

Table 400.5(A)(3)(A)(3) Adjustment Factor

Number of Current Carrying Conductors	Multiplier
4 to 6	0.80
7 to 9	0.70
10 to 20	0.50

If the ambient temperature is other than 86°F, the flexible cord or flexible cable ampacity, as listed in Table 400.5(A)(1) or 400.5(A)(2), must be adjusted by using the ambient temperature correction factors listed in Table 310.15(B)(2)(a) (see Figure).

Temperature ratings for flexible cords and flexible cables aren't contained in the NEC, but UL listing standards state that flexible cords and flexible cables are rated for 60°C unless marked otherwise.

See 400.13 for overcurrent protection requirements for flexible cords and flexible cables.

Safety News

LADDERS

1. GENERAL

- A.) The condition of the ladder must be checked for defects before each use.
- B.) When climbing or descending a ladder, personnel must face the ladder and have
- C.) Do not repair any ladder that is worn out or broken. Worn out or broken ladders need to be reported and taken out of service.

2. FIXED LADDERS

- A.) Use of permanent wooden fixed ladders should be avoided
- B.) Permanently fixed ladders must be vertical to 75 degrees from horizontal and have toe clearance of at least 7 inches
- C.) Permanently fixed ladders must be securely fastened at the top and bottom. Long ladders should be secured at intermediate points.

3. PORTABLE LADDERS

- A.) Wooden ladders must conform to provisions of ANSI A14.1-1982
- B.) Metal ladders must conform to provisions of ANSI A14.2-1982
- C.) Metal ladders must not be used for electrical work or where they may contact electrical conductors. Special nonconductive ladders (certified wooden, fiberglass, etc.) are available for electrical maintenance Work.
- D.) A ladder must not be used in a horizontal position as a walkway or scaffold.
- E.) Portable ladders must be equipped with safety feet to prevent slippage.
- F.) Wooden ladders must not be painted so that any damage can be detected.
- G.) Personnel must not lean from a ladder to reach work; the ladder must be repositioned.
- H.) The top two steps of a stepladder must not be used by personnel
- I.) The top of the ladder should be secured (lashed) or the ladder held by another person. The base of the Ladder should be placed away from the wall by a distance of about ¼ of the working length of the ladder. Straight and extension ladders must extend 3 ½ feet beyond the top resting.
- J.) A folding step ladder must not be used in a straight closed position.
- K.) Based on the nominal length of the extension ladder, each section of the multi-section ladder must Overlap the adjacent section by at least the number of feet a stated below:

NORMAL LENGTH OF LADDER

OVERLAP

Up to and including 36"	3"
Over 36" and up to 48"	4"
Over 48" and up to 60"	5"

Employee Spotlight

Employee of the Month!!



Shawn Shaw

Shawn Shaw has been employed by Masters Electrical Services, LTD since July 2006 and is currently a licensed Journeyman Electrician in the field. Shawn is considered to be a family man that has been married for 15 year and has 3 children, two girls and one boy that are ages 21, 12, and 9. His hobbies are spending quality time with his family and taking his children fishing. Popular fishing destinations amongst his family are Port Aransas, Corpus Christi, and Rockport. His family also has a pet name Blue, a chocolate lab, who they've had for over five years and is a member of the family. We asked Shawn, "What is the least favorite home chore you hate", and he didn't hesitate to say, "Putting trash in the recycling ben!" Shawn Shaw has been an irreplaceable asset and a well-respected member of our team at Masters Electrical Services, LTD. We truly enjoy having him as an employee, mentor and leader!

Employee Anniversary's

<u>NAME</u>	<u>DOH</u>	<u>At MES</u>
David Drennan	9/11/95	20 – Years
Lonnie Harper	9/05/95	20 – Years

We appreciate all your hard work and dictation to the company.

HOT TOPIC

From Human Resources

Important News For Our Employees!!

- **To all employees** – If you have not already been fingerprinted through the DPS (FACT Clearinghouse), we are in the process of collecting forms to have ALL our employees fingerprinted. This process is paid for by our company, and will allow us to approve you to work on any projects that are regulated by Senate Bill 9. These projects are mostly schools.
- Once you have been fingerprinted, you will be issued a company badge that will need to be worn at all times on your jobsite. We will need you to help us by completing all the necessary paperwork, attending your fingerprinting appointment and then submitting a picture of yourself for your badge. If you have any questions, please contact Alyssa or Missy at the office.

We are currently taking applications for:

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

September

Birthdays

- Miguel Veloz 9/02
- Chris Ulrich 9/02
- Annette Weddle 9/08
- Jesus Sanchez 9/12
- Brian Books 9/13
- Fausto Gonzalez 9/15
- Gary Weddle 9/18
- Mark Brennan 9/21
- John Martinez 9/25
- Kurt Dault 9/29



Happy Birthday from your family here at

Master's Electrical Services!