



# Power-Up May's News



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

TOGETHER EVERYONE ACHIEVES  
MORE!

Masters Electric Services Ltd, would like to wish your family a Happy Mother's Day!! Also, we want to remind you that our office is closed Monday, May 30 in observance of Memorial 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 (9) 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.”**

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### Our Core Value!

**Motivation**

**Attitude**

**Safety**

**Teamwork**

**Excellence**

**Relationship**

**Service**

# Project Spotlight

## BATTLE OF TEXAS



The experience is a fully immersive and interactive adventure showcasing the world's most historically significant Alamo artifacts and connecting them through heart-racing multimedia re-enactments to the past they left behind. Guests will journey back in time as they experience the daily lives of early Texas settlers, the tensions leading up to the Texas Revolution, and the climactic battle in which the Alamo defenders sacrificed their lives for the cause of freedom.

For the first time, artifacts including Santa Anna's uniform, Bowie knives, and items owned by Davy Crockett will be displayed together in a thematic environment. Presented from both Texan and Mexican perspectives, visitors will experience what it was like to have been at The Alamo in a setting that captures the spectacle, heroism, and ultimate sacrifice of those who gave their lives for a cause they believed in.

Located adjacent to Alamo Plaza in the newly renovated Rivercenter Mall, *BATTLE FOR TEXAS: The Experience* brings the Battle of the Alamo to life like never before!

We would like to thank Chris Koepsel for his professionalism and hard work and all Masters Team Members that have and will work on this project. Please realize the history involved in the project and take pride in your part of it. We also want to thank Guido Brothers Construction (Tom Guido) and its team members, PM Albert Gutierrez; PM Joe Allen; PS Sean Moran; A-PM Vanessa Miller as well as Rivercenter Mall Personnel GM - Chris Oviatt for giving Masters Electrical Services LTD. the opportunity to work on this unique project.



# Project List

## \*New Jobs\*

- JOURDANTON SPORT COMPLEX 1604 HWY 97E JOURDANTON TX 78026 ROBERTO FRAIRE JR
- SOUTHERN M RANCH 4239 GOLDFINCH RD. PEARSALL TX 78601
- BUA REMODEL 7838 BARLITE BOULAVARD SAN ANTONIO TX JAIME PAWELEK
- CSMI
- GONZALES ISD PH 2 926 St. LAWRENCE ST. SA,TX 78629
- NISD CAFÉ REMODELS CODY & LEON VALLEY 10403 DUGAS DR. 78245 & 7111 H
- WAVEGARDEN SOUTH AUSTIN, TX JOHNIE RIDDLE
- RUNGE SPORT COMPLEX 1199 GOLIAD RUNGE, TX 78151 ROBERTO FRAIRE JR
- CLEAR FORK ES RENOVATIONS 1102 CLEAR FORK DR. LOCKHART, TX 78644
- BECTON DICKENSON 1<sup>ST</sup> FL EXPANTION 5859 FARINON DR, STE 200 SA,TX 78249
- SEGUIN ANIMAL SHELTER 555 FRED BYRD SEGUIN, TX 78155

## \*Current Jobs\*

- RIVERCENTER MALL RENOV PH 1 & 2, 849 E. COMMERCE – SA, TX. 78205 PERRY WINCHESTER
- 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
- IDEA – JUDSON (FEATHER RIDGE) 13427 JUDSON RD SAN ANTONIO TX 78233 SHAWN SHAW
- ALAMO EXPERIENCE MUSEUM 849 E. COMMERCE ST SA, TX 78205 CHRIS KOEPEL
- BNB CHEEVER BLDG COMMON SPACE 1045 CHEEVER SA, TX 78217 MIGUEL VELOZ
- NEW BRAUNFELS AIRPORT NEW BRAUNFELS TX, 78130 JOHN FITZPATRICK
- IDEA-JUDSON (FEATHER RIDG) 13427 JUDSON RD SA, TX 78233 SHAWN SHAW
- MARTINDALE LIFT STATION 5500 IH 10 E SA, TX 78219
- DISTRICT 3 COMMUNITY CENTER 3303 PECAN VALLEY DR SA, TX 78210 SPENCER DWYER
- NEW BRAUNFELS CITY HALL 955 N. WALNUT NB, TX 78130 LONNIE HARPER
- MSI MISC STEEL INDUSTRIES
- RAST IRON WORKS 6430 RAILWAY, SAN ANTONIO TX 78218 SHAWN SHAW
- IDEA WALZEM PREP SCHOOL PHASE 2 6445 WALZEM RD, SA TX 78239 LONNIE HARPER
- KARNES COUNTY EMS FACILITY 707 WEST MAIN STREET – KENEDY, TX 78119 JOHNIE RIDDLE
- SEGUIN PUBLIC LIBRARY 313 WEST NOLTE ST. SEGUIN TX 78155 CODY SMITH
- EOG RESOURCES VARIOUS LOCATIONS THOMAS NOLL
- IDEA - MAYS SECONDARY SCHOOL 8738 WATERS EDGE DR, SA TX 78245 ROBERTO FRAIRE
- LOCKHART ISD NEW ELEMENTARY FM 1854 LYTTON SPRINGS, TX 78616 SCOTT BARKER

# Project List

## \*Recently Completed Jobs\*

• SARAH KING ELEMENTARY	1001 CERVALO STREET, SAN ANTONIO, TX 78207	SCOTT BARKER
• 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
• 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
• BROADWAY BANK 5 <sup>TH</sup> & 6 <sup>TH</sup> FLOORS	1177 E. LOOP 410, SAN ANTONIO, TX 78209	MIGUEL VELOZ
• BEXAR COUNTY VISTA VERDE 4 <sup>TH</sup> FL	233 N. PECOS LA TRINIDAD, SA TX	RUBEN RODRIGUEZ
• BNB CHEEVER BLDG G4S RENOV	1045 CHEEVER SA, TX 78217	MIGUEL VELOZ
• PENNBAKER LAW SUITE	1045 CHEEVER SAN ANTONIO, TX 78217	MIGUEL VELOZ
• INDIAN CREEK ES ADD'S/RENOV (SWISD)	5830 OLD PEARSALL ROAD SA, TX 78242	ROBERTO FRAIRE SR.
• PARKWAY OAKS SHOPPING CENTER	938 WURZBACH PKWY, SA TX 78216	RAFAEL SILVESTRE
• BULVERDE LITTLE LEAGUE FIELD C	101 JUMBO EVANS BVLD SPRINGS BRANCH TX 78070	ROBERTO FRAIRE
• LDS INDIAN SPRINGS HERITAGE CTR	25479 BULVERDE ROAD, SA TX 78261	BRIAN BROOKS
• CAVENDER CHEVROLET MAKE READY	30700 IH 10 WEST, BOERNE TX 78006	RUBEN RODRIGUEZ

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

## Stump By Code!! Test Your Knowledge!

**Q.** What is the Code rule for sizing conductors serving a single continuous duty motor?

**A.** Conductors to a single motor must be sized not less than 125% of the motor full load current (FLC) rating as listed in Table 430.247 [Direct-Current Motors], Table 430.248 [Single-Phase Motors], or Table 430.250 [Three-Phase Motors (430.22)].

Let's run through an example problem to show you exactly how to choose a properly sized conductor.

What size branch circuit conductor is required for a 7½-hp, 230V, 3-phase motor with 75°C terminals?

As noted in Table 430.250, the motor FLC = 22A.

Calculate the conductor size as follows:

Conductor size = 22A x 1.25 = 27.50A

A quick check of Table 310.15(B)(16) reveals that a 10 AWG conductor is rated 35A at 75°C.

The branch circuit short circuit and ground fault protection device using an inverse time breaker is sized at 60A, according to Sec. 430.52(C)(1), Exception No. 1.

Circuit protection = 22A x 2.50 = 55A

Using the next size up rule, a 60A protective device would be selected [240.6(A)].

**Q.** What is the Code rule for the overcurrent protection of flexible cords and fixture wires?

**A.** As outlined in Sec. 240.5(A), flexible cord must be protected by an overcurrent device in accordance with its ampacity as specified in Table 400.5(A)(1) or Table 400.5(A)(2). Fixture wires must be protected against overcurrent in accordance with their ampacity as specified in Table 402.5. Supplementary overcurrent protection, as discussed in Sec. 240.10, is permitted to provide this protection.

As noted in Sec. 240.5(B)(1), if flexible cord is used with a specific listed appliance or luminaire, the conductors are considered protected against overcurrent when used within the appliance or luminaire listing requirements. *Note:* The NEC only applies to premises wiring, not to the supply cords of listed appliances and luminaires.

As noted in Sec. 240.5(B)(2), fixture wires can be tapped to the following circuits:

- 20A – 18 AWG, up to 50 ft of run length
- 20A – 16 AWG, up to 100 ft of run length
- 20A – 14 AWG and larger

As noted in Sec. 240.5(B)(3), flexible cord used in listed extension cord sets is considered protected against overcurrent when used within the extension cord's listing requirements.

# Safety News

Analyzing on-the-job hazards.

**Introductory Comments:** Job –hazard analyses are usually left to management-level experts, but you should know how to do a job-hazard analysis for every task you do.

**Meeting starter Questions:** What are the obvious hazards in the jobs you're doing? What are the precaution you take routinely to protect yourself from these hazards? Have you considered if there are additional precautions you should take? Have there been any changes increasing your job hazards?

**Critical Safety Points:** Rarely is a job hazard a simple case of a single cause resulting in a single, obvious danger. Usually, many contributing factors tend to line up in a certain way to create them

Any employee can follow this five–question procedure to analyze any job. Here's an example of these questions used in a metal shop where a worker's hand comes into contact with a rotating pulley.

1. **What can go wrong?** Your hand could come into contact with a rotating object that “catches” it and pulls it into the machine.
2. **What would be the consequences?** You could receive a severe injury and lose fingers and hands.
3. **How could it happen?** The accident could happen as a result of trying to clear a snag during operations or as part of a maintenance activity while the pulley is operating. Obviously, this hazard scenario could not occur if the pulley is not rotating.
4. **What are other contributing factors?** This hazard occurs suddenly and gives you almost no time to prevent it once your hand comes into contact with the pulley. This is an important factor because it helps you determine the severity and likelihood of an accident if there are no appropriate hazard controls.
5. **How likely is it that the hazard will occur?** This determination requires some judgment. If there have been “near-misses” or actual injuries then the likelihood of a recurrence would be considered high. If the pulley is exposed and easily accessible, that also is a consideration. In the example, the likelihood that the hazard will occur is high because there is no guard preventing contact and the operation is performed while the machine is running



# Employee Spotlight

## About Our Employee

### Employee of the Month!!



Chris Koepsel

Chris Koepsel has been employed by Masters Electrical Services, LTD since March of 2006 and is currently a foreman in the Commercial field. Chris' experience in the trade for almost 10 years has him preparing to take his Masters Electrician test in the very near future. Chris was born and raised in Seguin where he attend Seguin High School before his employment with Masters. He enjoys golfing and also likes to listen to 90's alternative music. His favorite food is his mother's home cooked roast, potatoes and green beans. He also enjoys to spend quality time working on vehicles with his father. Chris Koepsel is an asset and we are looking forward to his continued employment here at Masters Electrical Services, LTD.

# HOT TOPIC

## \*From Human Resources\*

- **Open Enrollment for Health Insurance** is now completed and if you made any changes to your elections, you will be seeing payroll deduction changes on your first paycheck in May, which is May 6<sup>th</sup>. No changes can be made to your elections again until next year's open enrollment period, or if you have a life changing event such as a birth, marriage or other. Please call Alyssa or Missy with any questions at 830-303-6330.
- **Save the Date:** 2016 marks a *huge* milestone for Masters Electrical Services, **10 Years in Business!** Therefore, we will be having a companywide celebration on August 6<sup>th</sup> from 3-10 p.m. More details to come as the date approaches!

### We are currently taking applications for:

#### ❖ **Job Foreman**

- Requirements:
  - Must have reliable transportation
  - Hold a current Journeyman or Masters License
  - Minimum of 2 years of supervisory or foreman experience

#### ❖ **Licensed Journeyman**

- Requirements:
  - Must have reliable transportation

#### ❖ **Electrical Helper/ Apprentice**

- Requirements:
  - Must have reliable transportation
  - Minimum one year electrical experience

## May's Birthdays

- Eric Hughes 5/03
- John Drennan 5/03
- Kyler Spaw 5/04
- Carlos Lares Carrizales 5/09
- Julio Fraire 5/11
- Jason Alcorta 5/16
- Roberto Rodriguez 5/19
- Perry Winchester 5/20
- Curtis Commons 5/21
- Rodney Kauffman 5/22
- Anthony Baker 5/24
- Ruben Rodriguez Jr. 5/26



Happy Birthday from your family here at  
Masters Electrical Services!