

Engineering Service Specifications

Commercial Service Requirements

SLEMCO

Commercial Service Order Procedure

1. SLEMCO customers can request service by doing the following:
 - a. Contact SLEMCO's main service department at **(337) 896-5551**
 - b. Contact one of the three SLEMCO service centers:
 - i. **Kaplan** service center **(337) 643-6565**
 - ii. **Crowley** service center **(337) 783-7714**
 - iii. **Washington** service center **(337) 826-7911**
 - c. Apply for service in person at the main SLEMCO office and ask to see someone in new accounts.
2. When a request for service is made a service order will be written by a SLEMCO customer service representative.
3. Usually the next working day a SLEMCO field representative will contact you concerning your request for service. He or she will make an appointment to meet with you and discuss your service needs.
4. The SLEMCO field representative will answer all questions concerning providing you with electrical service. He or she will quote any cost associated with your request and provide any specifications involved with your request.
5. Any payment for construction or meter deposits must be paid in the office, by mail, or by phone. **No Payments will be collected by field personnel.**
6. **Before any digging is done on your property LA One Call must be notified by calling 811 or 1-800-272-3020.** No work can begin until 48 hours after LA One Call has been notified. *Special Note: Vermillion, Iberia, and Cameron Parishes require 96 hours before any digging can take place.*
7. All parishes along with some municipalities in SLEMCO's service area require some sort of permit. Before beginning any wiring on your service contact your local Governing Authority in order to obtain the local regulations concerning obtaining electrical service. **SLEMCO will not install a meter for service unless the service has a permit from the local Governing Authority.**
8. SLEMCO will proceed with construction of your job even if no permit has been issued, **but will not install a meter before the permit has been obtained.**
9. If at the time of construction you are wired and inspected, SLEMCO will install the meter under the standard **\$50.00** service charge. If at the time of construction you are not wired and inspected there will be an additional **\$15.00** service charge for a serviceman to return later to install the meter.

Applicability of SLEMCO's Commercial Service Entrance Requirements

It shall be the customer's responsibility for compliance with the National Electrical Code (*NEC*) and any Governing Authority for all equipment beyond the point of connection. The customer is advised to use the service of a qualified electrician to assure compliance with all codes and regulations.

1. Applicable to services receiving three-phase power at 120/208, 120/240, 277/480, and 480 volts. In some instances single-phase power at 120/240 volts.
2. The service entrance must be located on the outside wall of the structure, making the meter accessible at all times, enabling SLEMCO to make the necessary service connections without having the service wires crossing over any large portion of the roof.
3. Customers receiving power at 120/208 or 120/240 volts:
 - Customers requiring a 200 Amp service use a self-contained meter base.
 - Customers requiring larger than a 200 Amp service will require a current transformer (*CT*) metering installation with a separate meter base.
4. Customers receiving power at 277/480 or 480 volts:
 - Regardless of the amperage of the service, customers will require a CT metering installation with a separate special meter base.
 - This special meter base will contain potential transformers (*PTs*). Three *PTs* (2.5:1) for 277/480 volts and Two *PTs* (4:1) for 480 volts
5. Anytime a service entrance is changed due to inadequacy, the new service entrance must meet SLEMCO's Specifications for Commercial Service Requirements, whichever is applicable.
6. Where a customer asks that the service be disconnected in order to make repairs to the existing commercial establishment, new specifications do not apply. Any time the meter location is changed, then new specifications do apply.
7. Underground secondary conductors shall be furnished and installed by customer. SLEMCO will replace the underground secondary conductors should a failure occur. SLEMCO does not stock underground secondary conductor greater than 350 kcmil. Therefore, any failed service that will require secondary conductors greater than 350 kcmil will have to be provided by customer.

Conductor Sizes for Service Entrances

Main Fused Disconnect of Multi-breaker	Phase	Temperature Rating	Conductor Size and Type (Copper)
60 AMPERES OF LESS	1 OR 3	75°C	#6 RH, RHW, THW, THWN, THHW, XHHW
70 AMPERES	1 OR 3	75°C	#4 RH, RHW, THW, THWN, THHW, XHHW
100 AMPERES	1 OR 3	75°C	#2 RH, RHW, THW, THWN, THHW, XHHW
150 AMPERES	1 OR 3	75°C	#1/0 RH, RHW, THW, THWN, THHW, XHHW
200 AMPERES	1 OR 3	90°C	#2/0 RHH, RHW-2, THHN, THHW, THW-2, THWN-2, XHHW-2
200 AMPERES	1 OR 3	75°C	#3/0 RH, RHW, THW, THWN, THHW, XHHW
400 AMPERES	3 PHASE	75°C	2-#3/0 PARALLELED RH, RHW, THW, THWN, THHW, XHHW
600 AMPERES	3 PHASE	75°C	2-350 kcmil PARALLELED RH, RHW, THW, THWN, THHW, XHHW
800 AMPERES	3 PHASE	75°C	3-350 kcmil PARALLELED RH, RHW, THW, THWN, THHW, XHHW

Notes:

1. **200A Services**

Overhead

All conductors (*service entrance conductors*) in and out of self-contained meter bases shall be a single copper conductor. Parallel conductors are not allowed.

Underground

All conductors (*service entrance conductors*) out of self-contained meter bases shall be a single copper conductor. Parallel conductors are not allowed.

2. **Over 200A Services**

Overhead

All conductors (*service entrance conductors*) in and out of disconnect switch shall be copper conductor. Parallel conductors are allowed.

Underground

All conductors (*service entrance conductors*) out of disconnect switch shall be copper conductor. Parallel conductors are allowed.

3. The service entrance neutral conductor shall be sized no smaller than two sizes less than the phase conductors. However, at no time shall the service entrance neutral conductor be less than #6 copper. Example: A #2 copper service entrance neutral conductor can be used with a #1/0 copper service entrance phase conductor.

4. Any multi-conductor connections to a single pole made within a disconnect switch must include a multi-conductor lug. More than one conductor connected within a single lug will not be allowed.