

SOUTH CENTRAL POWER COMPANY

Minimum Requirements: **METER POLE INSTALLATION** - Overhead
Single phase, 120/240 Volts, 3 wire service, **60 Amp. Minimum**

GENERAL:

The consumer will supply and install a meter base sized appropriately for the electric service. The Company will supply and install service wires to the pole and service wire attachments on the pole. All material supplied by the Company will remain the property of the Company

All service entrance equipment shall be supplied and installed on the meter pole by the Consumer.

Consumer shall install an adequate structure to support the meter pole installation. Structure must be a pressure treated pole or timber with a minimum size of **6" x 6" x 20'**. Structure shall be set in the ground a minimum of four feet and the backfill shall be thoroughly tamped. Structure shall be not more than **(80)** feet from the closest available Company facilities. All meter pole installations must have guy cable and anchor installed by Consumer as shown on sketch on the reverse side.

Meter pole installation may be wired in conduit, or service entrance cable, as desired by the Consumer. Conduit shall be rigid galvanized steel, or schedule 40 PVC and shall be securely fastened to the pole with suitable clamps. Type SE service entrance cable shall be securely fastened to the pole.

A weatherhead shall be used, of proper size and type for the number and size of wire to be used.

All meter pole installations must be provided with a UL approved main weatherproof disconnect switch box of proper size and must be located within two feet after the Consumer's wire leaves the meter base.

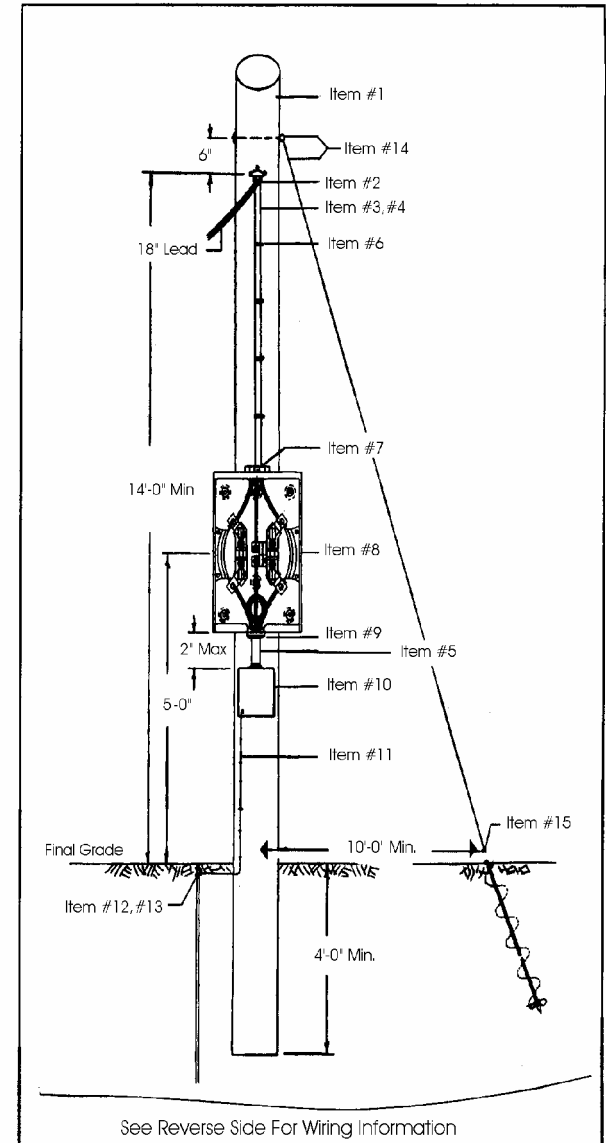
GROUNDING:

Ground wire must be one continuous length without splice or joint from main switch to grounding electrode. Driven ground rod shall be 5/8" X 8' copperclad rod or 5/8" X 8' solid galvanized rod, in undisturbed soil. Ground rod clamp shall connect ground wire securely to the ground rod.

NOTES:

1. All installations to be made according to this sketch.
2. All materials to be approved by the Underwriters Laboratories or equivalent.
3. All wiring to be in accordance with the National Electrical Code.
4. Always have a qualified electrician take care of your wiring needs.
5. Consumers not following these minimum specifications will be refused service connection.
6. Service connections and/or meter removal shall be done only by authorized company personnel.
7. Ground fault circuit protection shall be used where required by local inspection authority, in accordance with (Article 305-6, 1999 NEC).
8. Reduced neutral may be allowed.

***** BEFORE ANY DIGGING FOR SAFETY'S SAKE CALL OUPS (1-800-362-2764) *****



WIRING DIAGRAM MATERIAL SPECIFICATIONS

60 Amp Meter Pole Installation

ITEM	MATERIAL	60 AMP SERVICE
1	6" x 6" x 20' Pole or Timber - Pressure Treated (Minimum)	
2	Weather head - (PVC or Galvanized) sized appropriately	
3	Service entrance cable, Type SE - (Copper)	# 6
	Service entrance cable, Type SE - (Aluminum)	# 4
	COPPER WIRE, Type THHW/THHN - installed in conduit	# 6
	ALUMINUM WIRE, Type THHW/THHN - installed in conduit	# 4
4	Conduit - PVC or Galvanized - Minimum size for Consumer service entrance cable/conductors - if required	2"
5	Conduit - PVC or Galvanized - Minimum size for Consumer service entrance cable/conductors - if required	2"
6	Cable or conduit clamp - spaced 18" maximum	
7	Watertight connector - (for cable or conduit)	
8	Meter base - must be supplied by the consumer and approved by the Company.	
9	Non-watertight connector - (for cable or conduit)	
10	Waterproof, disconnect switch box - as required	60 AMP
11	Continuous ground wire from main disconnect switch box to ground rod	# 6 Bare Copper
12	Ground Rod : 5/8" x 8' copperclad or 5/8" x 8' galvanized steel	
13	Ground Rod Clamp	
14	1/2" Steel cable - Eyebolt 1/2" x 8" with appropriate nut and large washer	
15	Anchor - 11/16" x 4' with 6" Plate (Auger style)	

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CALL OUPS
(1-800-362-2764)

OR 811

FOR ANY QUESTIONS
PLEASE CONTACT
ENGINEERING GROUP
(740)-422-6166

100 Amp Meter Pole Installation

ITEM	MATERIAL	100 AMP SERVICE
1	6" x 6" x 20' Pole or Timber - Pressure Treated (Minimum)	
2	Weather head - (PVC or Galvanized) sized appropriately	
3	Service entrance cable, Type SE - (Copper)	# 4
	Service entrance cable, Type SE - (Aluminum)	# 2
	COPPER WIRE, Type THHW/THHN - installed in conduit	# 4
	ALUMINUM WIRE, Type THHW/THHN - installed in conduit	# 2
4	Conduit - PVC or Galvanized - Minimum size for Consumer service entrance cable/conductors - if required	2"
5	Conduit - PVC or Galvanized - Minimum size for Consumer service entrance cable/conductors - if required	2"
6	Cable or conduit clamp - spaced 18" maximum	
7	Watertight connector - (for cable or conduit)	
8	Meter base - must be supplied by the consumer and approved by the Company.	
9	Non-watertight connector - (for cable or conduit)	
10	Waterproof, disconnect switch box - as required	100 AMP
11	Continuous ground wire from main disconnect switch box to ground rod	# 6 Bare Copper
12	Ground Rod : 5/8" x 8' copperclad or 5/8" x 8' galvanized steel	
13	Ground Rod Clamp	
14	1/2" Steel cable - Eyebolt 1/2" x 8" with appropriate nut and large washer	
15	Anchor - 11/16" x 4' with 6" Plate (Auger style)	

200 Amp Meter Pole Installation

TEM	MATERIAL	200 AMP SERVICE
1	6" x 6" x 20' Pole or Timber - Pressure Treated (Minimum)	
2	Weather head - (PVC or Galvanized) sized appropriately	
3	Service entrance cable, Type SE - (Copper)	# 2/0
	Service entrance cable, Type SE - (Aluminum)	# 4/0
	COPPER WIRE, Type THHW/THHN - installed in condit	# 2/0
	ALUMINUM WIRE, Type THHW/THHN - installed in conduit	# 4/0
4	Conduit - PVC or Galvanized - Minimum size for Consumer service entrance cable/conductors - if required	2"
5	Conduit - PVC or Galvanized - Minimum size for Consumer service entrance cable/conductors - if required	2"
6	Cable or conduit clamp - spaced 18" maximum	
7	Watertight connector - (for cable or conduit)	
8	Meter base - must be supplied by the consumer and approved by the Company.	
9	Non-watertight connector - (for cable or conduit)	
10	Waterproof, disconnect switch box - as required	200 AMP
11	Continuous ground wire from main disconnect switch box to ground rod	# 6 Bare Copper
12	Ground Rod : 5/8" x 8' copperclad or 5/8" x 8' galvanized steel	
13	Ground rod clamp	
14	1/2" Steel cable - Eyebolt 1/2" x 8" with appropriate nut and large washer	
15	Anchor - 11/16" x 4' with 6" Plate (Auger style)	

POLE HEIGHT	MINIMUM SETTING DEPTH
20 FEET	4 FEET
25 FEET	5 FEET
30 FEET	5 FEET

