

CORDOVA ELECTRIC COOPERATIVE APPLICATION FOR SERVICE

NAME OF APPLICANT (PRINT OR TYPE):

PROPERTY LEGAL DESCRIPTION (CITY):

TELEPHONE:

HOME

WORK

CELLULAR

() -

() -

() -

EMAIL ADDRESS:

MAILING ADDRESS:

PHYSICAL ADDRESS:

REQUESTED DATE OF SERVICE CONNECTION:



NEW CONSUMER



PRESENT CONSUMER



FORMER CONSUMER

SERVICE CLASS:



RESIDENTIAL



GENERAL



LARGE POWER

REQUIRED SERVICE SIZE (NEC)



200 AMP



400 AMP



600 AMP



OTHER

(SPECIFY)

VOLTAGE:



120/240 1-PHASE



120/208 3-PHASE



OTHER



277/480 3-PHASE

SERVICE REQUESTED:



TEMPORARY



PERMANENT

SPECIAL EQUIPMENT (LIST ALL MOTORS ABOVE 1 HP)

EQUIPMENT	HP RATING	OPERATING VOLTAGE	FULL LOAD AMPERAGE

SPECIAL MEDICAL EQUIPMENT THAT REQUIRES UNINTERRUPTED SERVICE

SPECIFY:

FOR OFFICE USE ONLY

DATE AND INITIAL	ADMINISTRATIVE AND FINANCE CHARGES	
	APPLICATION FEE	\$ 200.00
	ENGINEER'S ESTIMATE OF CONSTRUCTION COST	\$
	ADVANCE-IN-AID OF CONSTRUCTION CHARGE	\$
	CONTRIBUTION-IN-AID OF CONSTRUCTION CHARGE	\$
	CONNECTION FEE	\$
	SERVICE DEPOSIT	\$
	TOTAL	\$

APPLICANT'S SIGNATURE

DATE

Cordova Electric Cooperative New Service Checklist

Cordova Electric Cooperative (CEC) has developed this checklist to assist you in the installation of your new electrical service. Following these simple steps will assist CEC in providing quality service in the most timely, cost-effective manner.

- 1) Obtain the necessary building permits and a copy for CEC sales tax exemption, a legal description of your property, and the street address of your property from the City of Cordova at 602 Railroad Avenue.
- 2) Apply for power by submitting the attached "Application for Service" form and \$200.00 service application fee. A billing deposit may also be required at this time.
- 3) Schedule a site visit to the new service site location with the CEC engineer. The engineer will meet you on site to determine a meter base location, service routing, service requirements, and answer questions you may have regarding your new electrical service.
- 4) The engineer will design the new electrical service, draft any necessary easements, and estimate the new service installation cost.
- 5) Once you have executed any necessary easements (for your convenience, a notary public is available to notarize CEC easement forms), paid the advance aid in construction charge, and installed your meter base, the engineer will coordinate with the other utilities (GCI and CTC) and contractors to schedule installation of your new electrical service. Note that you must contact GCI, CTC and the City of Cordova to open accounts with them. CEC only coordinates with the other utilities on the construction portion of the job.
- 6) An easement form with sample language, general residential meter base installation guidelines, and application for service are attached for your convenience. The CEC engineer upon request will provide commercial service requirements.

Cordova Electric Cooperative, Inc.

SS-6C2, Permanent Underground Service, 200 Amps or Less

Please note: Underground service is standard CEC installation. Overhead services are allowed only by special permission where extenuating circumstances warrant.

1. Before any service entrance is installed in any building, the customer, builder or authorized representative shall obtain agreement from CEC as to where the service entrance and meter shall be located. CEC meters shall be located on the outside of the building. The service entrance must be installed as close as possible to existing CEC facilities (see typical location detail) and protected from falling snow and ice..
2. The customer's service equipment shall conform to the latest revision of the National Electrical Code, Municipal local amendments to the NEC, and State and Municipal Codes. UL listing is required where applicable.
3. The customer shall provide a self contained ring style meter socket appropriate to the type of service requested. The self contained meter socket shall include terminal lugs, meter jaws, and sealing mechanism. **All non-residential or commercial installations shall include meter sockets with manual bypass provisions of an approved type. All 480 volt installations shall include meter sockets with manual bypass provisions of an approved type.**
4. The source side conduit shall be either schedule 40 PVC or rigid steel conduit. Rigid steel conduit must be used in areas subject to vehicle traffic (driveways, parking lots, etc.) and for commercial installations while PVC is allowed for residential services in areas subject to foot traffic only. The rigid steel conduit must be installed with a bonding bushing if less than the largest concentric knockout is used for the source side conduit entrance.
5. The customer's neutral wire shall be grounded within the service entrance enclosure at the neutral terminal bus. It may not be grounded in the utility conductor entrance compartment of the metered base.
6. Network services require a factory installed 5th jaw or a factory supplied 5th jaw kit to be installed in the 9 o'clock position.
7. For 3-phase, 4-wire services supplied from a Delta connected secondary, the phase conductor having the higher voltage to ground (power leg) shall be identified as different (with red tape) from the other two phase conductors and shall be located on the right hand lug of the meter socket. This service configuration is not available for new services.
8. All residential and commercial service entrances require an external (located outside the building) lockable service disconnect switch (a lockable shunt trip disconnect is acceptable).

Cordova Electric Cooperative

Note: Revised from CEA standards courtesy Chugach Electric Association

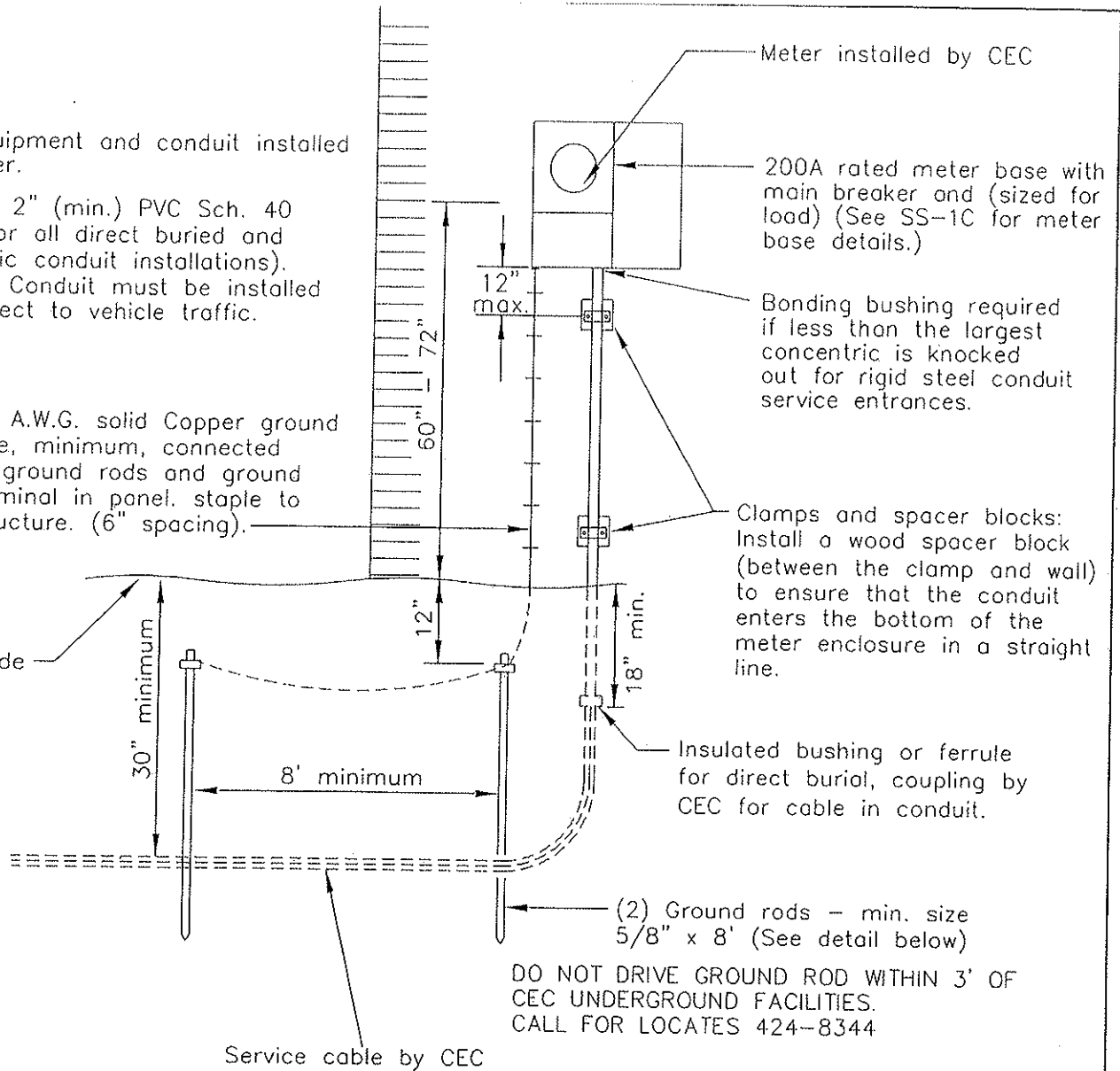
SERVICE STANDARD SS-6C PERMANENT UNDERGROUND SERVICE 200 AMPS OR LESS	
DRAWING NUMBER SS-6C2	Sheet 2 of 2

Service equipment and conduit installed by customer.

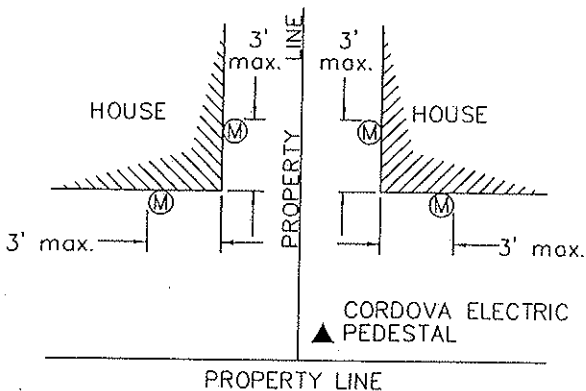
7-8 ft. of 2" (min.) PVC Sch. 40 conduit, (for all direct buried and non-metallic conduit installations). Rigid Steel Conduit must be installed where subject to vehicle traffic.

#6 A.W.G. solid Copper ground wire, minimum, connected to ground rods and ground terminal in panel. staple to structure. (6" spacing).

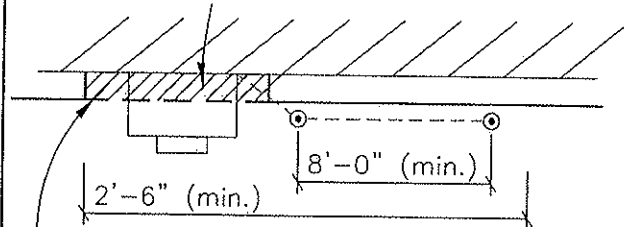
Finish grade



TYPICAL METER LOCATION
(Located on corner nearest to power source)



Notch foundation with insulation, etc. when poured to allow installation of CTC, CTC, GCI conduits



Locate ground rods parallel to foundation and to the side of service entrance opposite of the CEC power service (pedestal).

IMPORTANT NOTE: If the building footer is less than 30" from final grade, leave a 2'-6" wide notch in the footer for conduit installation.

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NOTE: MODIFIED FROM
CEA DRAWINGS
COURTESY CHUGACH
ELECTRIC ASSOCIATION

SERVICE STANDARD
SS-6C1
UNDERGROUND SERVICE
200 AMPS OR LESS

DRAWING NUMBER

SS-6C1

SHEET 1 of 2

METER SOCKETS 100-200 AMPS

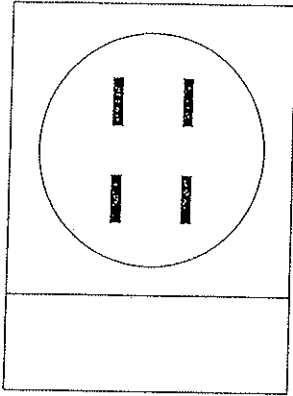


Figure 1

4 Terminal

TYPE OF SERVICE

- 120/240V, 1 ϕ , 3W
- 240/480V, 1 ϕ , 3W

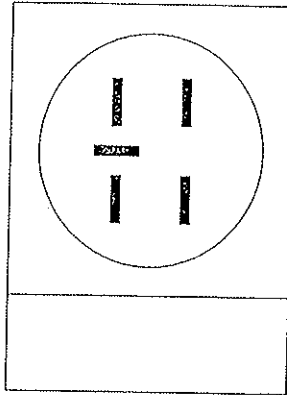


Figure 2

5 Terminal

TYPE OF SERVICE

- 120/208V, 3W
Network

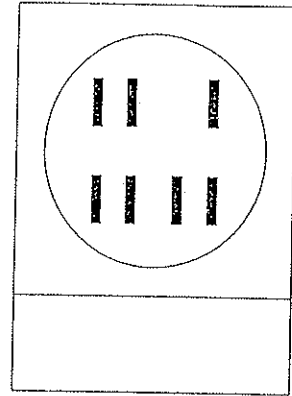


Figure 3

7 Terminal

TYPE OF SERVICE

- 120/208V, 3 ϕ , 4W, Y
- 277/480V, 3 ϕ , 4W, Y
- 120/240V, 3 ϕ , 4W, Δ *

*Existing installations only,
not available for new services.

NOTE:

1. All self-contained meters installed at commercial or non-residential locations shall have manual by-pass sockets of an approved type.
2. All 480V services and recessed socket load centers require an approved safety socket.
3. All underground feed meter installations require 7"Wx16"Hx5-1/2"D (minimum) utility conductor entrance compartment dimensions. The utility line side conductor lugs shall be sized to accommodate 4/0 AWG. The line side conductor lug height must be 11" (min.) measured from bottom of enclosure.

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NOTE: MODIFIED FROM
CEA DRAWINGS
COURTESY CHUGACH
ELECTRIC ASSOCIATION

SERVICE STANDARD
SS-1C
SELF-CONTAINED METER SOCKETS
100 TO 200 AMPS

DRAWING NUMBER

SS-1C

SHEET 1 OF 1