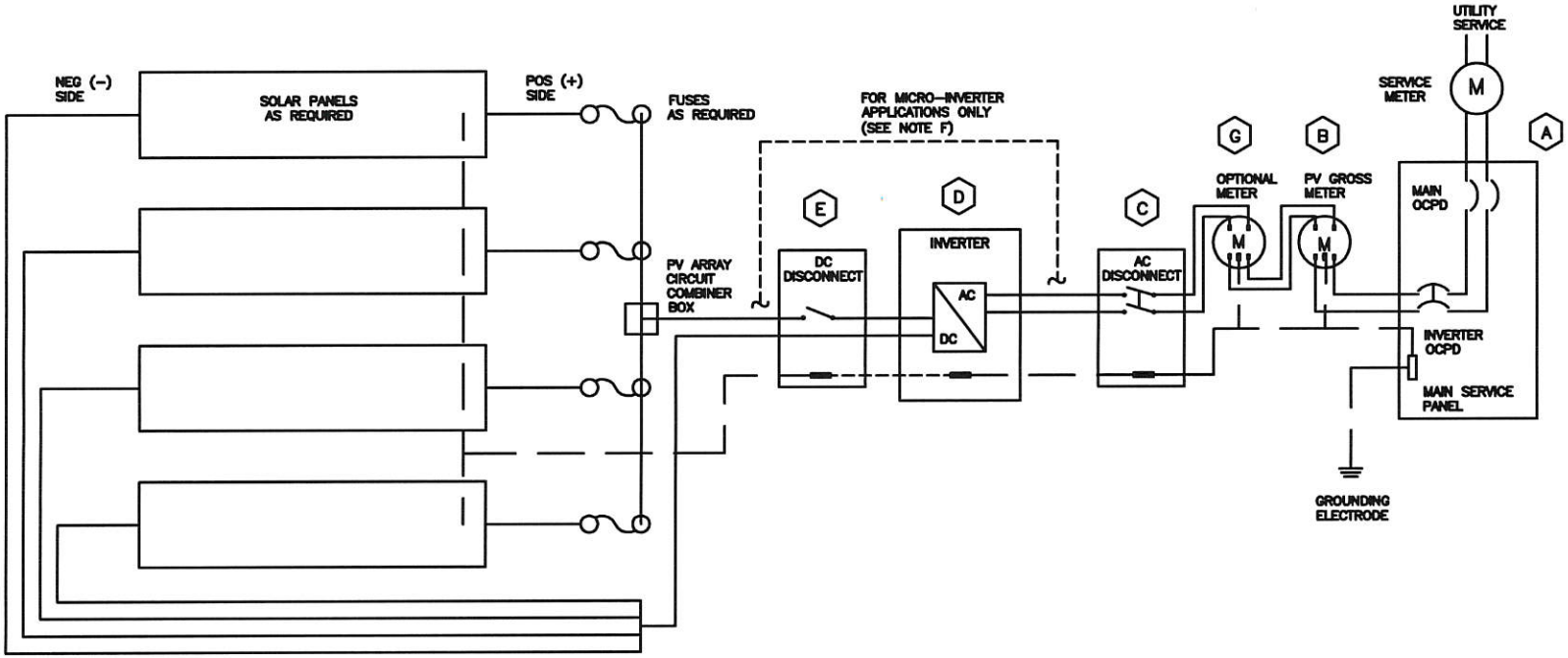
CITY OF BANNING
ELECTRIC UTILITY

THIS STANDARD SHOWS THE REQUIREMENTS FOR A PHOTOVOLTAIC SINGLE-PHASE BASIC SYSTEM.



NOTES:

A. MAIN SERVICE PANEL MUST COMPLY WITH CEC LATEST REVISION ARTICLES 690.64 AND 705.10 (LABEL).

B. P.V. GROSS METER PROVIDED AND INSTALLED BY C.O.B. ELECTRIC UTILITY AT CUSTOMERS EXPENSE, METER SOCKET PROVIDED BY INSTALLER. C.O.B. ELECTRIC UTILITY WILL ACTIVATE THE PV SYSTEM AFTER IT MEETS ALL REQUIREMENTS, AND PASSES ALL INSPECTIONS.

- CENTER OF METER MUST BE INSTALLED BETWEEN 4'0" AND 6'3" ABOVE FINAL GRADE.

C. UTILITY LOCKABLE A.C. DISCONNECT TO BE LOCATED WITHIN 10' OF SERVICE PANEL, MUST COMPLY WITH CEC ARTICLES 690.14 (LABEL), 690.17 (LABEL) AND 690.54 (LABEL).

D. INVERTER MUST COMPLY WITH CEC ARTICLE 690.47(C)(1) AND UL1741. GROUNDING ELECTRODE SYSTEM MUST COMPLY WITH CEC ARTICLE 690.47.

E. D.C. DISCONNECT MUST COMPLY WITH CEC ARTICLES 690.14(A-D), 690.53 (LABEL), AND 690.7 (3) (LABEL).

- SEPARATE DC DISCONNECT IS REQUIRED ONLY IF THE INVERTER DOES NOT HAVE AN INTEGRATED DC DISCONNECT.

SIGNS OR DIRECTORIES SHALL BE ATTACHED TO THE ELECTRIC EQUIPMENT OR LOCATED ADJACENT TO THE IDENTIFIED EQUIPMENT. SIGNS SHOULD BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT. ALL PLAQUES SHALL BE PERMANENTLY ATTACHED TO SURFACE OF ELECTRICAL EQUIPMENT BY MEANS OF EPOXY, SCREWS, OR RIVETS. OUTDOOR SIGNS SHALL BE EITHER METAL OR PLASTIC WITH ENGRAVED OR MACHINE PRINTED LETTERS, OR ELECTRO-PHOTO PLATING, IN A CONTRASTING COLOR TO THE SIGN BACKGROUND. SPACE REQUIREMENTS FOR ELECTRIC EQUIPMENT SHALL COMPLY WITH CEC ARTICLE 110.26.

F. THE DC DISCONNECT AND THE INVERTER AT GRADE LEVEL WILL NOT BE REQUIRED IF MICRO-INVERTER TECHNOLOGY IS PROPOSED ON THE SOLAR PV MODULES.

- A SOLAR LOAD CENTER MAY BE REQUIRED WHEN MULTIPLE SOLAR PANEL BANKS ARE INSTALLED.

G. A LEASED SYSTEM MAY INCLUDE A SEPARATE METER BETWEEN THE AC DISCONNECT AND PV GROSS METER, PROVIDED & INSTALLED BY THE LEASING COMPANY.

NOTE; NO LOADS WILL BE ALLOWED TO BE CONNECTED BETWEEN THE INVERTER AND THE CITY OF BANNING PV GROSS METER.

BANNING, CA
Proud History
Prosperous Tomorrow

REVISED: 9/27/2016	APPROVED: 9-27-16	STANDARD DRAWINGS
PHOTOVOLTAIC SINGLE-PHASE SYSTEM DIAGRAM	SD	600-80