

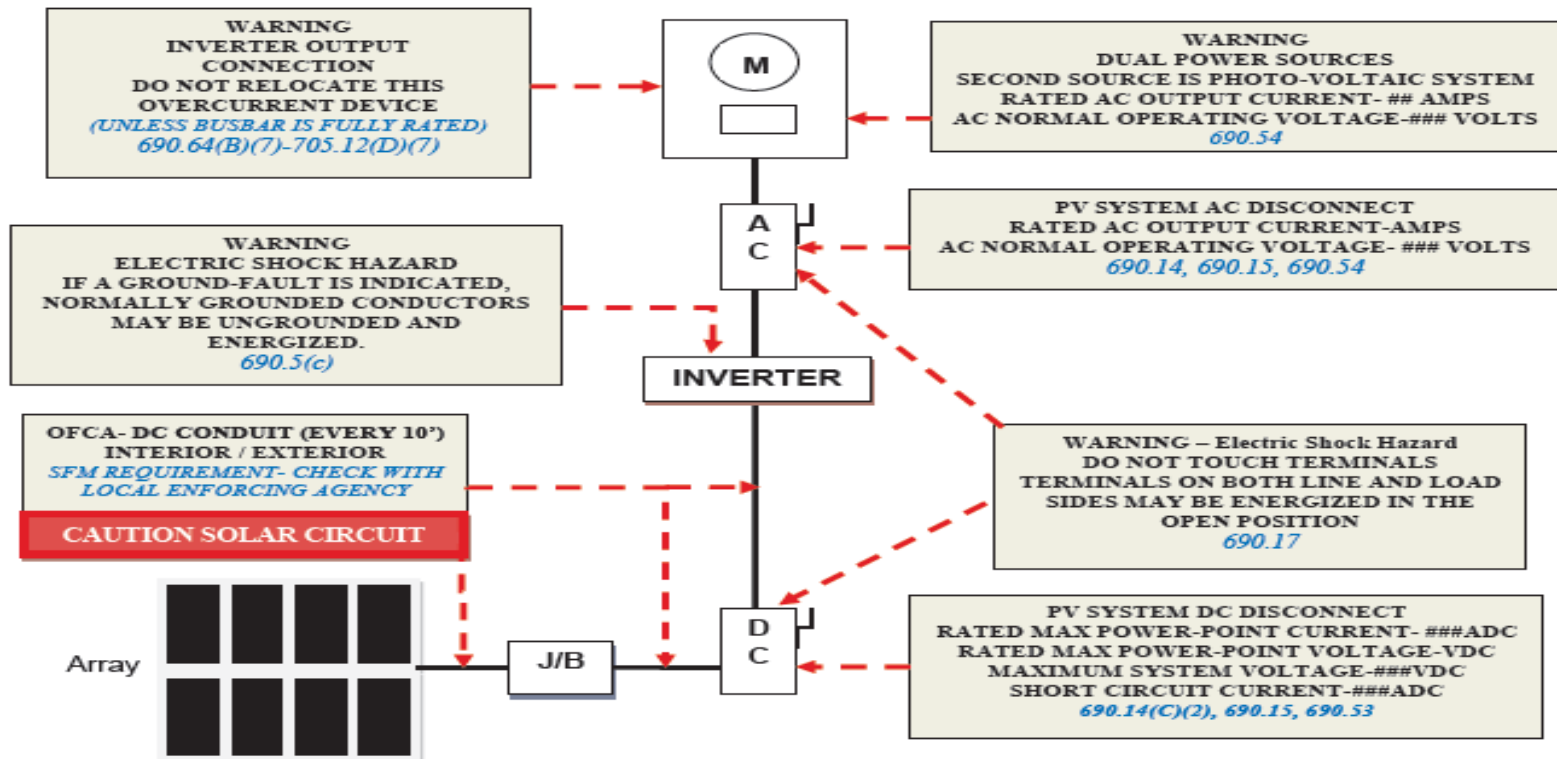
Brief Overview of PV Systems

LOGO

SOLAR PV STANDARD PLAN Central Inverter Systems for Single Family Dwellings

23. The following signage is required to be installed:

- (a) Per **Section 690.17** 2010 CEC, where both the line and load side terminals of any disconnect may be live in the "OFF" position the following warning shall be placed on the front of the disconnect "WARNING LINE AND LOAD TERMINALS MAY BE ENERGIZED IN THE OPEN POSITION".



Note: Italicized text shown inside the boxes is not required to be part of the sign, it is only for reference.

PV Central Inverter System

TAG	DESCRIPTION
1	SOLAR PV MODULE
2	DC PV SOURCE CIRCUIT
3	COMBINER BOX (If installed), refer to item 14 on page 3
4	DC PV OUTPUT CIRCUIT
5	DC EQUIPMENT GROUNDING CONDUCTOR per 690.43 NEC
6	INVERTER DC DISCONNECT
7	DC TO AC INVERTER WITH ISOLATION TRANSFORMER
8	GROUND FAULT DETECTION INTERRUPTER
9	AC DISCONNECT
10	SOLAR LOAD CENTER (If installed)
11	UTILITY PERFORMANCE METER (If installed)
12	UTILITY SAFETY SWITCH (If installed)
13	INVERTER DC GROUNDING ELECTRODE CONDUCTOR (MIN #8 AWG COPPER)
14	ELECTRICAL SERVICE PANEL

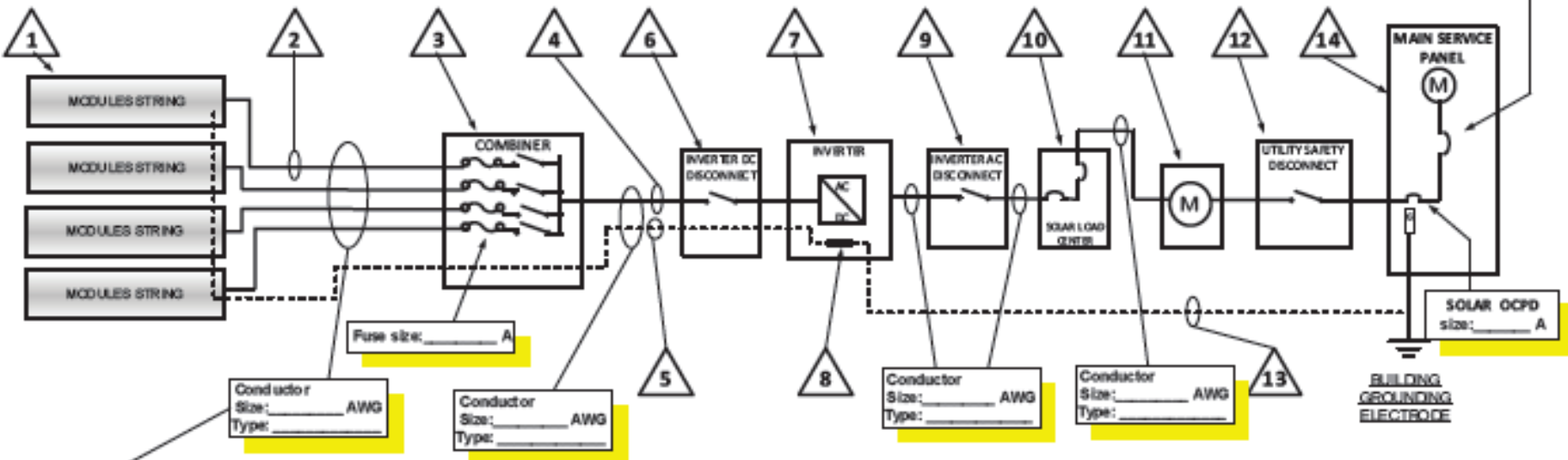
**STANDARD PV PLAN FOR SINGLE FAMILY DWELLING
CENTRAL INVERTER**

**MAXIMUM 10 KW
MAXIMUM 225 AMP SERVICE**

THIS PLAN MUST BE PROVIDED TO THE FIELD INSPECTOR

MAIN BREAKER / FUSE Size: _____ A
SOLAR BREAKER / FUSE Size: _____ A
MAIN PANEL BUS Size: _____ A

MAIN OVERCURRENT PROTECTIVE DEVICE size: _____ A



Provide required information in these boxes

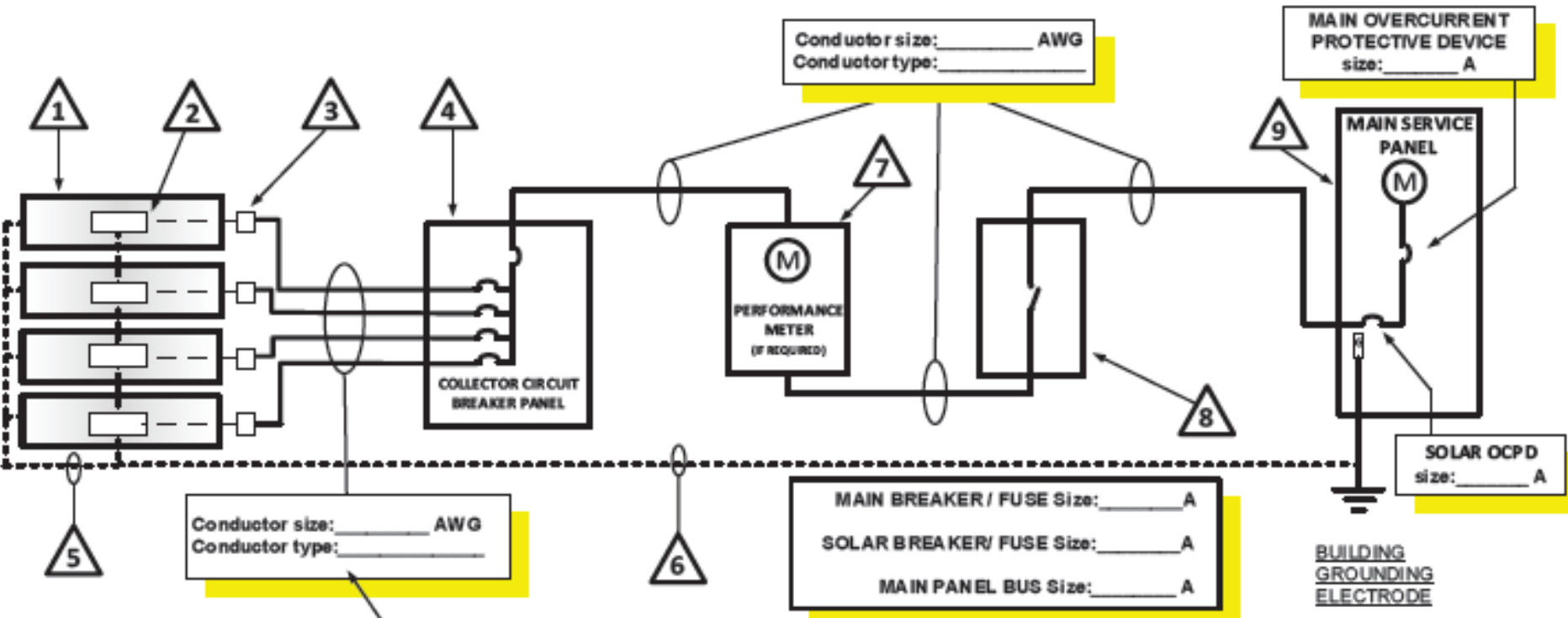
Note: This plan is Not intended to be used with micro inverters or transformer-less inverters. Permitted DC conductor types are USE-2, PV Wire or equivalent listed cables. Conductors for DC and AC circuits, where installed in raceways outdoors, shall be "W" rated and have an insulation rating of 90 degrees Centigrade.

Micro Inverter System

TAG	DESCRIPTION
1	SOLAR PV MODULE
2	MICROINVERTER
3	JUNCTION BOX FOR THE MANUFACTURER SUPPLIED CABLE TO RACEWAY TRANSITION
4	"COLLECTOR" CIRCUIT BREAKER PANEL
5	ARRAY EQUIPMENT GROUNDING CONDUCTOR
6	MICROINVERTER GROUNDING ELECTRODE CONDUCTOR (MIN #8 AWG COPPER)
7	PERFORMANCE METER (IF REQUIRED BY THE UTILITY COMPANY)
8	UTILITY SAFETY DISCONNECT SWITCH (IF REQUIRED BY THE UTILITY COMPANY)
9	ELECTRICAL SERVICE PANEL

**MAXIMUM 10 KW OUTPUT
MAXIMUM 225 AMP SERVICE
120/240 SINGLE PHASE**

**THIS PLAN MUST BE PROVIDED
TO THE FIELD INSPECTOR**



Conductor size: _____ AWG
Conductor type: _____

MAIN OVERCURRENT PROTECTIVE DEVICE size: _____ A

Conductor size: _____ AWG
Conductor type: _____

MAIN BREAKER / FUSE Size: _____ A
SOLAR BREAKER / FUSE Size: _____ A
MAIN PANEL BUS Size: _____ A

SOLAR OCPD size: _____ A

BUILDING GROUNDING ELECTRODE

Provide required information in these boxes

Note: This plan is intended to be used ONLY with Microinverter Systems.