



**120 VOLT AC SINGLE PHASE  
SOLAR PV PRODUCTION METERING CONNECTED  
TO DISTRIBUTION PANEL WITH NET METERING  
25kW OR LESS**

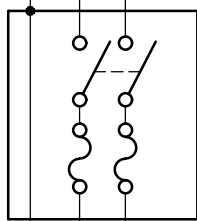
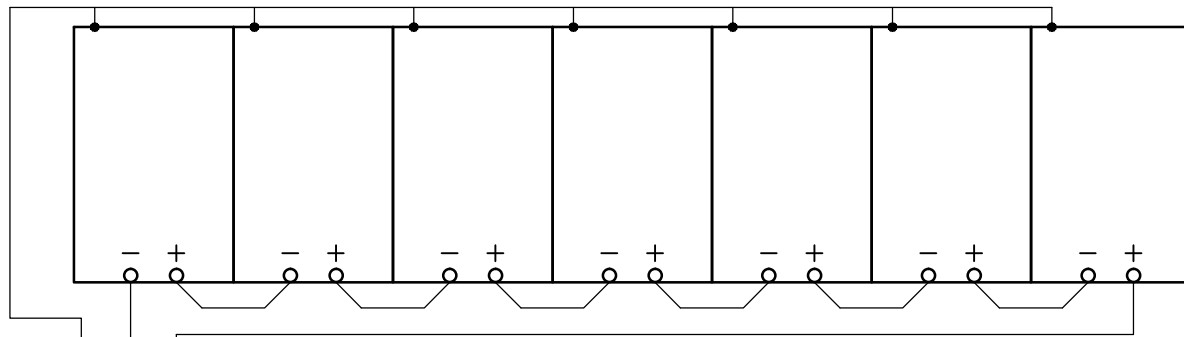
Originator: **J. White** Standards Approval: **Chad Rissman**

Approval: **J. White** Date: **2/3/2011**

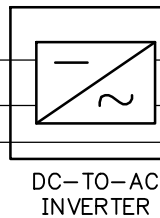
Rev #: Revision Description:

**2**

**SOLAR ARRAY**

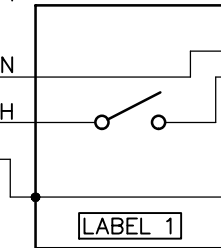


DC DISCONNECT SWITCH

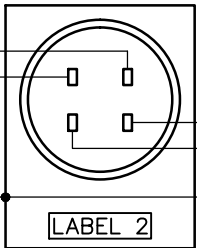


DC-TO-AC INVERTER

LOCATE OUTSIDE VISIBLE/ACCESSIBLE



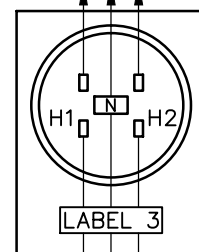
UTILITY DISCONNECT SWITCH (MAY BE WAIVED BY CHELAN PUD)



240V 1 $\phi$  PV PRODUCTION METER BASE

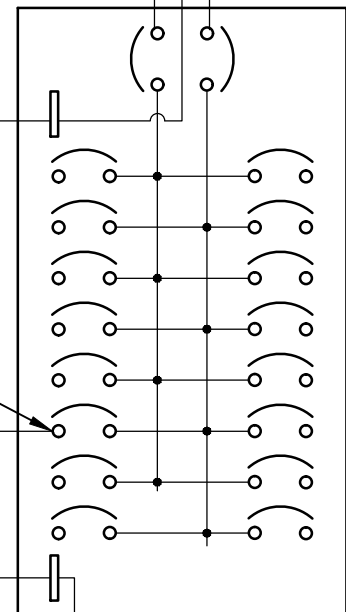
**TO UTILITY**

H1 N H2



UTILITY KWH METER

LABEL 3



GND AC SERVICE CIRCUIT BREAKER PANEL

**NOTES:**

1. ALL LABELS ENGRAVED WITH 1/4" (MIN.) LETTERS.
2. LABEL #1 RED BACKGROUND WITH WHITE LETTERS.
3. LABEL #2 YELLOW BACKGROUND WITH BLACK LETTERS.
4. LABEL #3 YELLOW BACKGROUND WITH BLACK LETTERS.

**SOLAR POWER SYSTEM SERVICE DISCONNECT** (LABEL #1)

**SOLAR POWER PRODUCTION METER  
SOLAR FEED TO TOP  
UTILITY AC FEED TO BOTTOM** (LABEL #2)

**BI-DIRECTIONAL FLOW OF ELECTRICITY** (LABEL #3)

SINGLE POLE BREAKER

NOTE: THIS DIAGRAM SHOWS ELECTRIC METERING REQUIREMENTS THAT COMPLY WITH CHELAN COUNTY PUD INTERCONNECTION STANDARDS FOR CUSTOMER-OWNED RENEWABLE POWER GENERATION SYSTEMS. THIS DIAGRAM MAY NOT SHOW EVERYTHING NEEDED TO MEET MINIMUM ELECTRIC CODE REQUIREMENTS. CHELAN PUD WILL NOT INSTALL AN ELECTRIC METER UNTIL THE INSTALLATION HAS BEEN APPROVED BY THE LOCAL ELECTRIC CODE OFFICIAL.