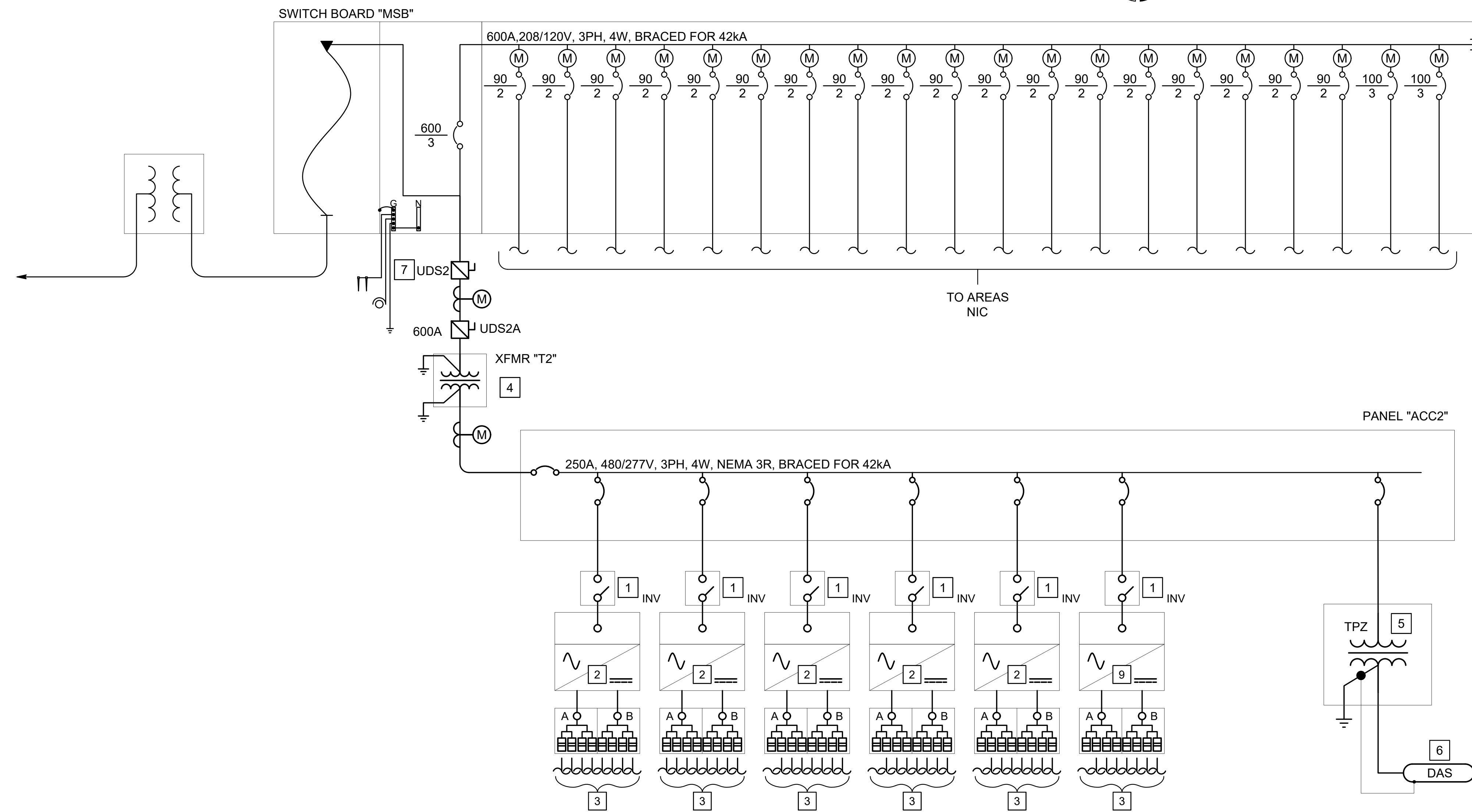


**SINGLE LINE DIAGRAM POC #1**

SCALE: NONE



**SINGLE LINE DIAGRAM POC#2**

SCALE: NONE



**SHEET GENERAL NOTES**

1. STRINGING SHOWN IS FOR REFERENCE ONLY. ACTUAL STRINGING TO BE DETERMINED FOR FINAL DESIGN.
2. STRING INVERTERS AND AC COMBINER PANELS ARE TO BE MOUNTED ON CARPORT COLUMNS.
3. DC CABLING NO HAVE A MAXIMUM OF 1% VOLTAGE DROP.
4. AC CABLING TO HAVE A MAXIMUM OF 2% VOLTAGE DROP.

**SHEET KEYED NOTES**

- 1 40A AC DISCONNECT MOUNTED BELOW THE INVERTER.
- 2 20kW STRING INVERTER WITH (2) MPPT'S.
- 3 DC STRING WIRING TO BE PV-WIRE.
- 4 225kVA, 480/277V, 3PH, 4W - 208/120V, 3PH, 4W, NEMA 3R TRANSFORMER RATED FOR PV BACKFEED. MIN %Z=3.0%
- 5 1kVA, 480-120V, POWER CONTROL TRANSFORMER.
- 6 SEE SHEET PV9.1 FOR DAS WIRING DIAGRAM.
- 7 PV DISCONNECT SWITCH "UDS" 600A, 208V/3P,3W WITH VISIBLE BLADES NEMA 3R
- 8 PROVIDE 1000V, DC CONNECTION UNIT. TYPICAL FOR ALL INVERTERS.
- 9 24kW STRING INVERTER WITH (2) MPPT'S.
- 10 SEE PANEL SCHEDULES ON SHEET PV2.3 FOR BREAKER SIZES AND PANEL CHARACTERISTICS.

**BASIS OF DESIGN PRODUCTS**

PANEL:  
LG 335N1C-A5

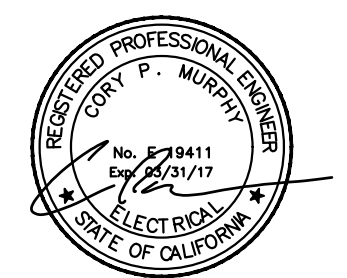
INVERTER:  
SMA SUNNY TRIPOWER 20000L AND 24000L



Revision Dates


**PHOTOVOLTAIC INSTALLATION**

MONTECITO VILLAGE  
1625 SANTA VENETIA STREET  
CHULA VISTA, CA 91913



Job Number 014-034

SHEET DESCRIPTION

OVERALL SINGLE LINE  
DIAGRAM

Sheet Number

**PV2.1**