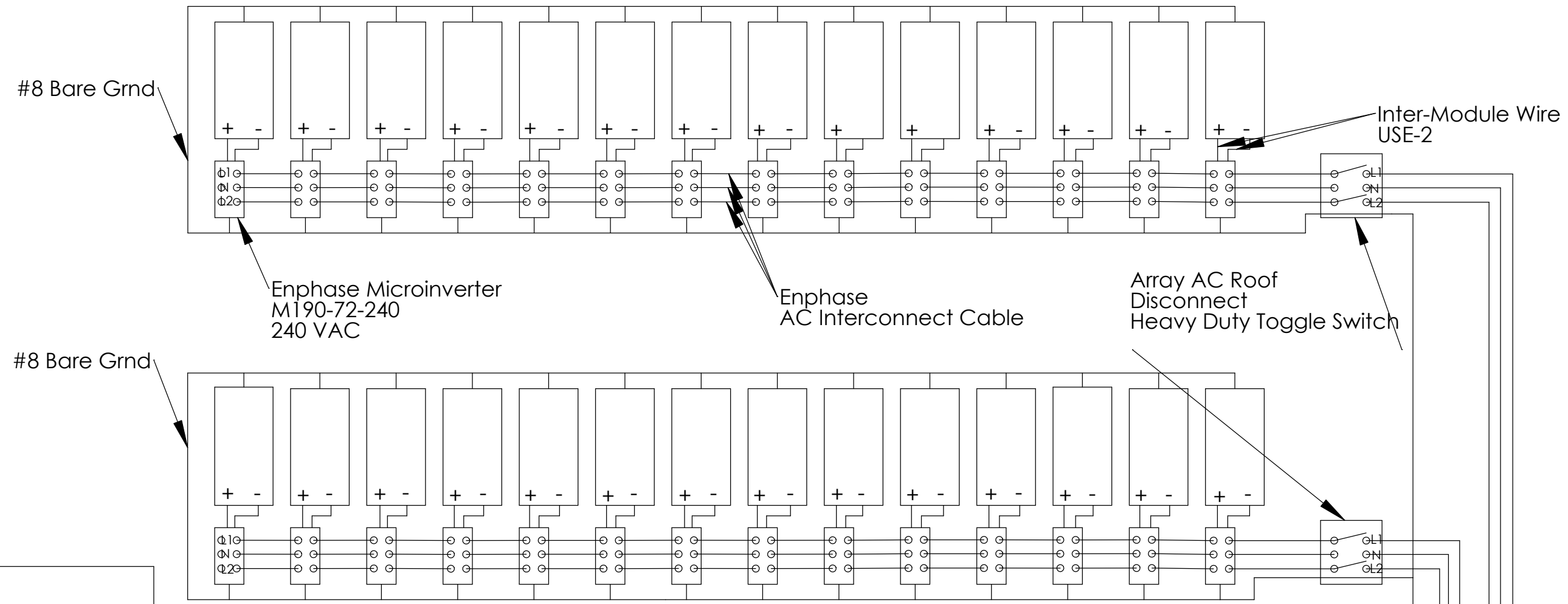


Sun Energy Engineering  
Triple Line Diagram

Andy Siu Residence  
755 Lisbon St.  
San Francisco, CA

Revision 1.1



**System Details:**

28 Siliken 230 W (SLK60P6L) modules  
28 Enphase Microinverters (M190-72-240)  
6,440 W DC PTC

**Modules specs:**  
Vmp = 29.5 VDC  
Imp = 7.79 A  
Voc = 36.9 VDC  
Isc = 8.32 A

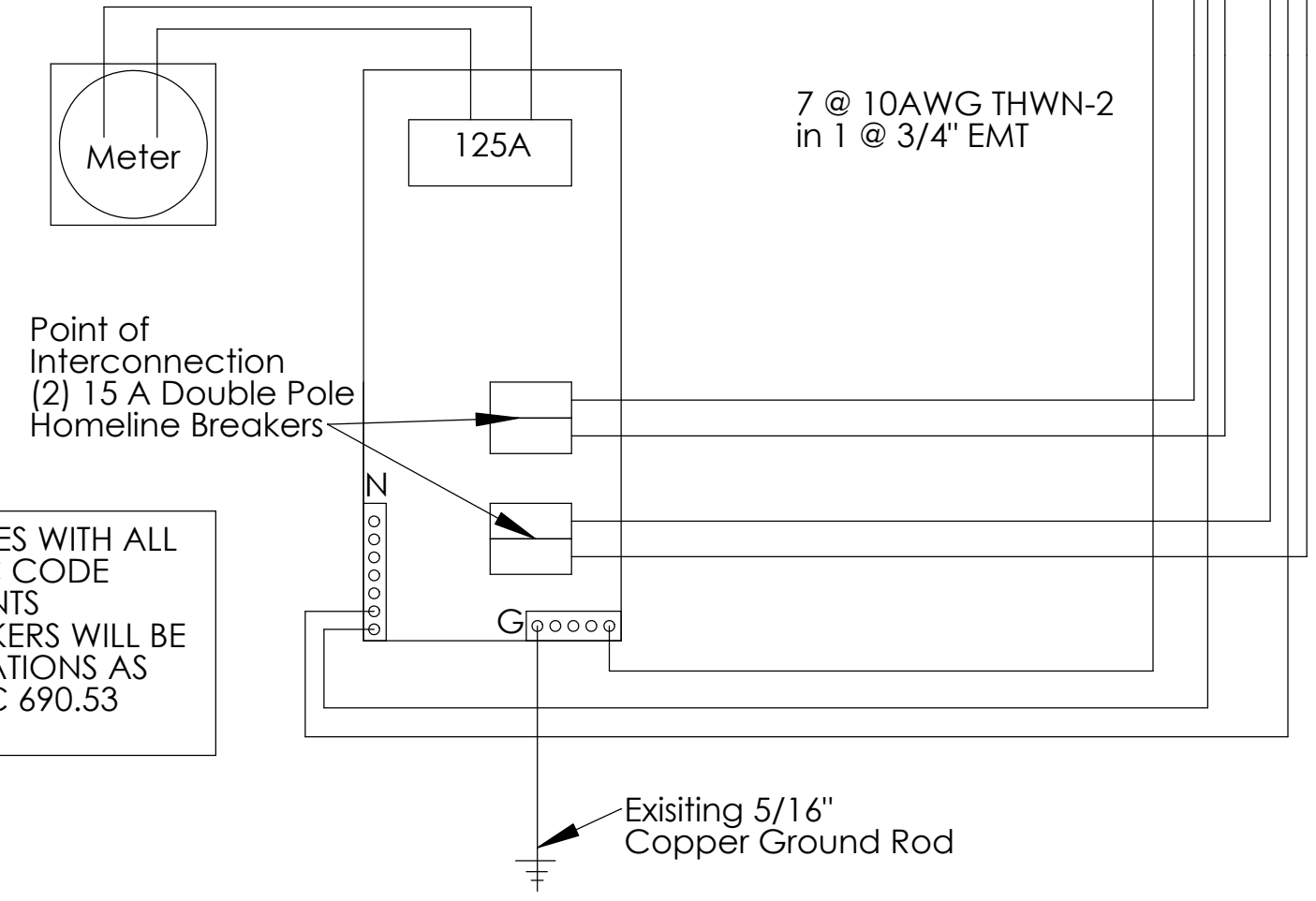
Temp Coeff Voc = -0.0356 %/C  
Temp Coeff Isc = +0.062 %/C

**Inverter specs:**  
Pmax = 190W AC  
Nominal Output current = 800mA  
Nominal Voltage/Range = 240V / 211V-264V  
Nominal Frequency /Range = 60.0 / 59.3-60.5  
Power Factor > 0.95  
Max Units per Branch Circuit = 15

All Module Grounding will be done in accordance with manufacturer installation guide.

All modules to be grounded with tin plated copper lay in lug with stainless steel fasteners

THIS DESIGN COMPLIES WITH ALL 2005 & 2007 NEC CODE REQUIREMENTS  
ALL LABELS AND STICKERS WILL BE PROVIDED IN LOCATIONS AS REQUIRED BY NEC 690.53



Existing 5/16" Copper Ground Rod