



COMMENTS/NOTES:

Removal of existing 200 amp disconnect. 200 amp breaker in main will serve as solar disconnect

1			
NO.	REV / NOTES	DATE	INIT

DRAWING TITLE

PV ELECTRIC LINE DIAGRAM

PROJECT NAME / ADDRESS

Waidy Lee
27961 Central Dr.
Los Altos, CA 94022

REALGOODS SOLAR

1968 Junction AVE.
San Jose, CA 95131

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DRAFTER C.Wolff		PAGE
DATE 11/10/11	E1	
SCALE N/A	SIZE B	1
FILE NAME ELEC.LINE_LEE, WAIDY		
DWG. NO. 3006	APP.	

7.360 KW DC (stc)

EQUIPMENT SCHEDULE if not listed above			
TAG	DESCRIPTION	PART NUMBER	NOTES
1	(N) Solar Array	(32) Sunpower 230E-WHT PV Panels	STC=235W, PTC=213.5W VOC 48.7, VMP 41.0, IMP5.61, ISC 5.99
2	(N) Inverter	(32) Enphase M210-84-240-S12	Four branches of eight panels each
10	(E) Main Service Panel	SQUARE D 400A, 240VAC with (2) 200A main breakers	Labeled as per CEC 690-54 & 690-56
11	(E) Ground Rod		

Point of Connection for Solar
Made inside sub panel at a dedicated breaker.
This "Point of Connection" complies with CEC Art. 690.64(B)

Inverter DC-Grounding Electrode Conductor:
Inverter DC-GEC installed at inverters.
#8 Cu protected in conduit or #6 Cu outside of conduit
ran continuous to a Grounding Electrode.
Complies with Art. 690-47(C)(2)

Note
Ground Fault Protection provided in inverters; DC/AC Grid Intertie Inverters are Enphase series listed to UL-1741 "Utility interactive"

WIRE SCHEDULE if not listed above					
TAG	DESCRIPTION	WIRE GAUGE	NO. OF EFFECTIVE CONDUCTORS	CONDUIT TYPE	CONDUIT SIZE
3	Enphase Wiring	#14 AWG	3	Factory Bundled	N/A
4	GEC/Equipment Ground	#6 AWG	1	N/A	N/A
8	Combined Equipment Ground and grounding electrode conductor	#8 AWG	1		