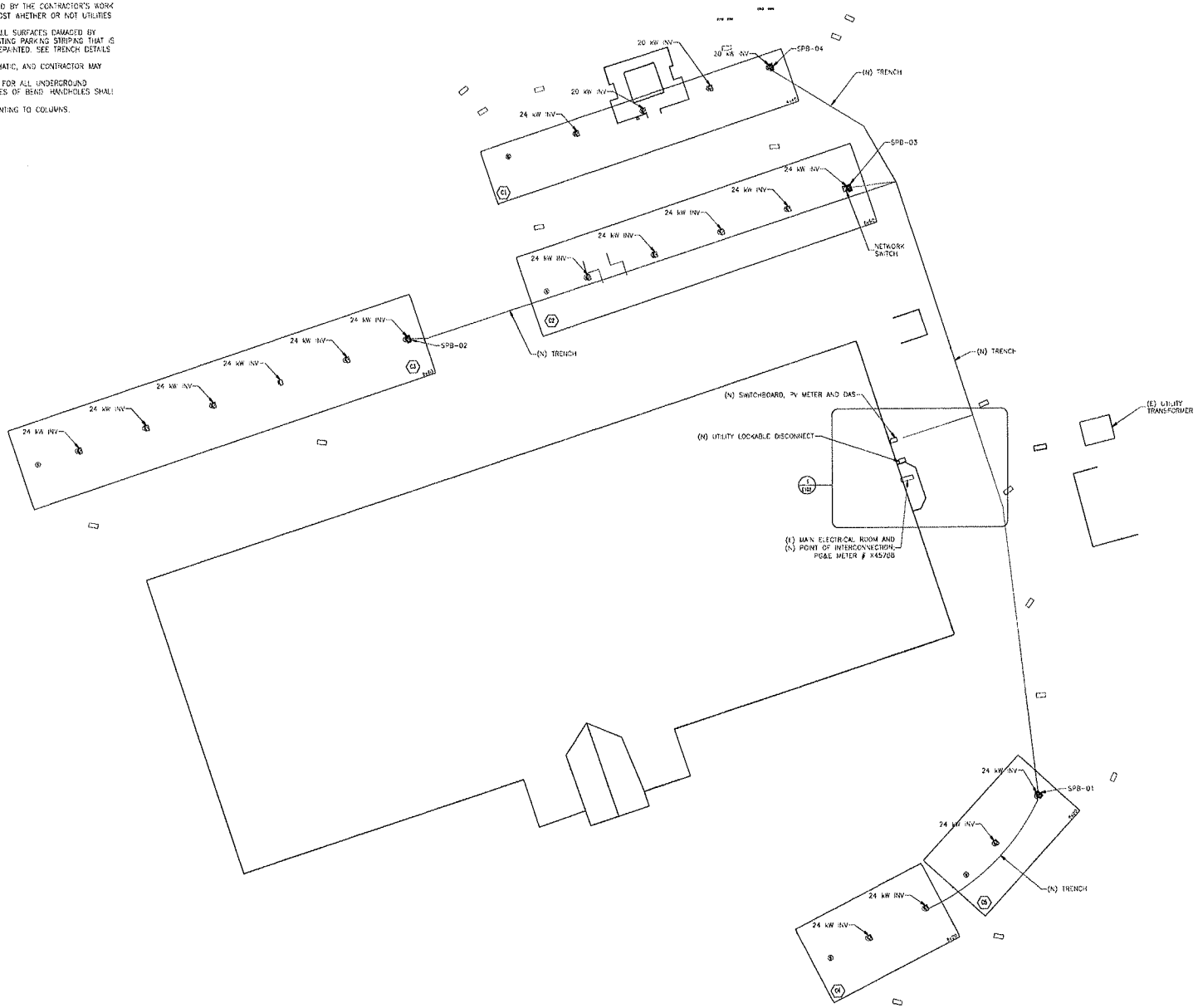
GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR INVESTIGATING AND VERIFYING THE ACTUAL LOCATION AND DEPTH OF EXISTING UNDERGROUND FACILITIES.
2. ANY EXISTING UTILITIES THAT ARE DAMAGED BY THE CONTRACTOR'S WORK SHALL BE REPAIRED AT CONTRACTOR'S COST WHETHER OR NOT UTILITIES ARE INDICATED ON SITE PLANS.
3. CONTRACTOR SHALL PATCH AND REPAIR ALL SURFACES DAMAGED BY TRENCHING TO MATCH EXISTING. ANY EXISTING PARKING STRIPING THAT IS CUT BY NEW TRENCH WORK SHALL BE REPAINTED. SEE TRENCH DETAILS FOR PAVEMENT REPAIR DETAIL.
4. TRENCH ROUTING AS SHOWN IS DIAGRAMMATIC, AND CONTRACTOR MAY ADJUST TO SUIT FIELD CONDITIONS.
5. CONTRACTOR SHALL PROVIDE HANDHOLES FOR ALL UNDERGROUND ELECTRICAL RUNS EXCEEDING 360 DEGREES OF BEND. HANDHOLES SHALL BE TRAFFIC RATED WHERE APPROPRIATE.
6. SEE DETAIL 7/PV401 FOR INVERTER MOUNTING TO COLUMNS.



1 OVERALL SITE PLAN
SCALE 1" = 20'

SUNPOWER
1414 HARBOUR WAY SOUTH
RICHMOND, CA 94804 USA
(510) 540-0550

LICENSED PROFESSIONAL ENGINEER
WILLIAM RAY TRACY
E21606
DEC 31, 20 19
ELECTRICAL
STATE OF CALIFORNIA

COUNTY OF NEVADA
ADMINISTRATION CENTER
950 MAIDU AVE, NEVADA CITY, CA
95959

ELECTRICAL SITE PLAN

REVISIONS

REV	DESCRIPTION	DATE	DR	CR

OPPORTUNITY	1084471
PROJECT	11845
DATE DRAWN	9-24-18
DRAWN BY	DK

0 1/2" 1"
IF BAR IS NOT ONE INCH, DRAWING IS NOT TO SCALE

SHEET
E101

DATE: 9/28/2018 FILE NAME: D:\ENGINEERING\DOCUMENT CABINET\PROPOSALS\0001084471_COUNTY OF NEVADA EFFICIENCY AND SOLAR\ADMIN CENTER\SHEET SETS\NEVCO_ADMIN_CENTR_E SET.DWG

SPECIFIC ELECTRICAL NOTES:

) NOT USED

) PROVIDE LINE SIDE CONNECTION IN ACCORDANCE WITH NEC ARTICLE 705.12(A). CABLE NOT TO EXCEED 25' TO OVERCURRENT DEVICE UNLESS APPROVED BY THE ENGINEER OF RECORD. CABLE FROM LINE SIDE TO OVERCURRENT PROTECTION SHALL BE INSTALLED IN RIGID STEEL WITH GROUND BUSHINGS IN ACCORDANCE WITH NEC ARTICLE 250.92. INTERCONNECTIONS SHALL BE PERFORMED AS SPECIFIED IN SUNPOWER'S LINE SIDE INTERCONNECTION GUIDELINE DOCUMENT (SUNPOWER DOCUMENT # 511123). EXISTING SERVICE EQUIPMENT SHALL BE RE-LISTED BY UL OR 3RD PARTY TESTING AGENCY AFTER POINT OF INTERCONNECTION IS ESTABLISHED. CONDUCT INTERCONNECTION BY ANY OF THE FOLLOWING THREE METHODS:
  - UTILIZE EXISTING LUGS AT BUS CONNECTION.
  - PROVIDE AN ADDITIONAL BUS LUG KIT SUITABLE FOR TERMINATING PV AC OUTPUT CABLING.
  - DRILL BUS. CONTRACTOR SHALL COORDINATE WITH EXISTING EQUIPMENT MANUFACTURER ON THE CORRECT BUS DRILLING POINT.

  CONTRACTOR SHALL CARRY COST WITHIN HIS BID, FOR A FACTORY-CERTIFIED TECHNICIAN TO VISIT THE SITE PRIOR TO BUS DRILLING, TO CERTIFY THE FIELD MODIFICATION. UNDER NO CIRCUMSTANCES SHALL THE BUS BE DRILLED WITHOUT FACTORY AUTHORIZATION.

) NOT USED

) METERING AND MONITORING SERVICE PROVIDED IN ACCORDANCE WITH CALIFORNIA SOLAR INITIATIVE REQUIREMENTS. REFER TO SHEET E601 FOR CONDUIT AND WIRE REQUIREMENTS AND MONITORING SCHEMATIC DETAILS.

) CONSULT INVERTER INSTALLATION GUIDE FOR WIRING METHODS AND OPERATING PROCEDURES.

) PG&E SHALL PROVIDE THE NEW BI-DIRECTIONAL "KYZ" PULSE METER UPON REQUEST FROM SUNPOWER. OTHERS SHALL PROVIDE AND INSTALL THE ENERNOC ENCLOSURE AND WIRING BETWEEN NEW PG&E METER AND ENERNOC ENCLOSURE.

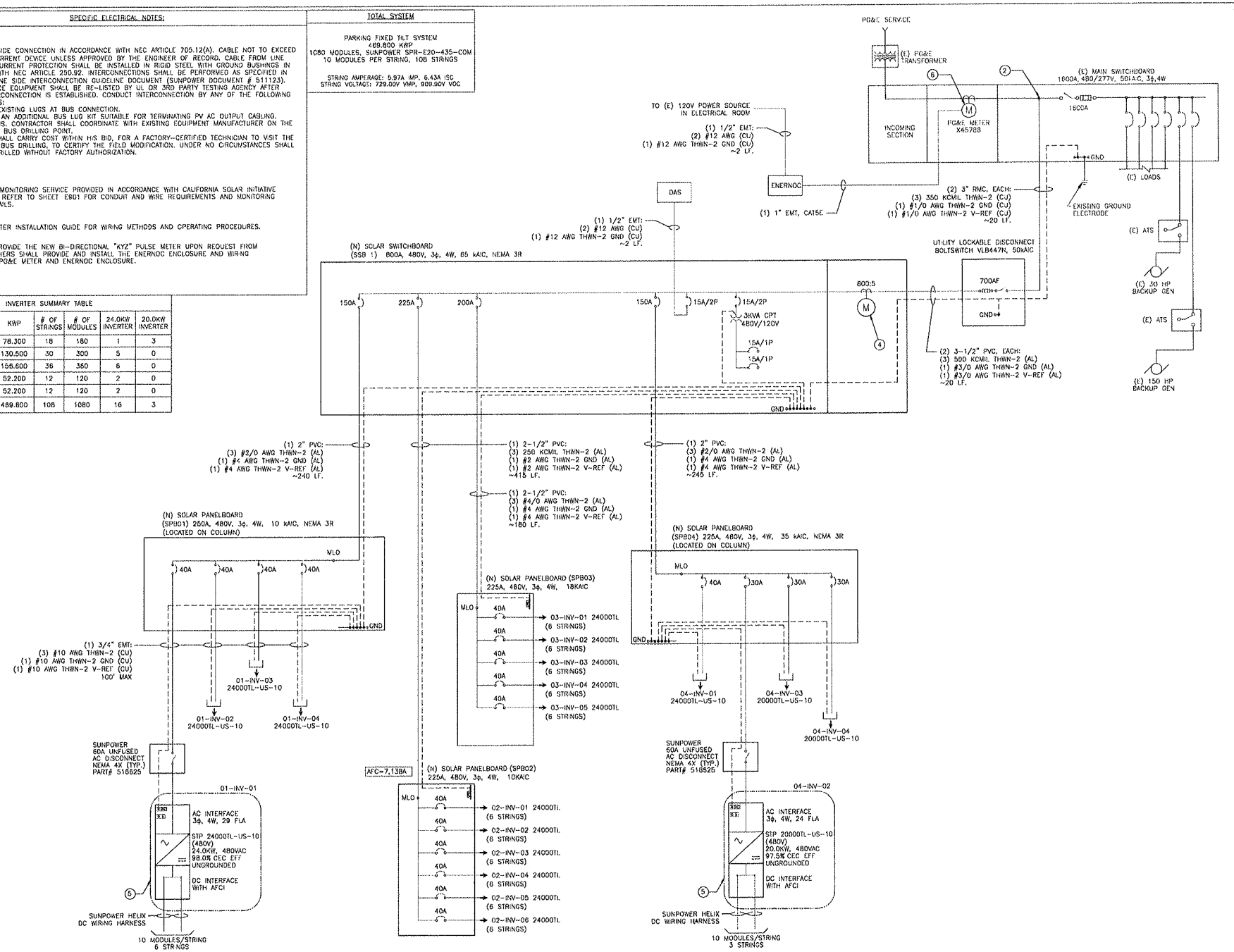
TOTAL SYSTEM

PARKING FIXED TILT SYSTEM
469.800 KWP
1080 MODULES, SUNPOWER SPR-E20-435-COM
10 MODULES PER STRING, 108 STRINGS

STRING AMPERAGE: 6.97A IMP, 6.43A ISC
STRING VOLTAGE: 729.00V VMP, 909.90V VOC

INVERTER SUMMARY TABLE

RAY#	SPB#	KWP	# OF STRINGS	# OF MODULES	24.0KW INVERTER	20.0KW INVERTER
C1	SPB04	78.300	18	180	1	3
C2	SPB03	130.500	30	300	5	0
C3	SPB02	156.600	36	360	6	0
C4	SPB01	52.200	12	120	2	0
C5		52.200	12	120	2	0
TOTAL		469.800	108	1080	16	3



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95959

SINGLE LINE

REVISIONS

REV	DESCRIPTION	DATE	DR

OPPORTUNITY	1084471
PROJECT	11845
DATE DRAWN	9-24-15
DRAWN BY	DSY

IF BAR IS NOT ONE INCH, DRAWING IS NOT TO SCALE

SHEET
E201