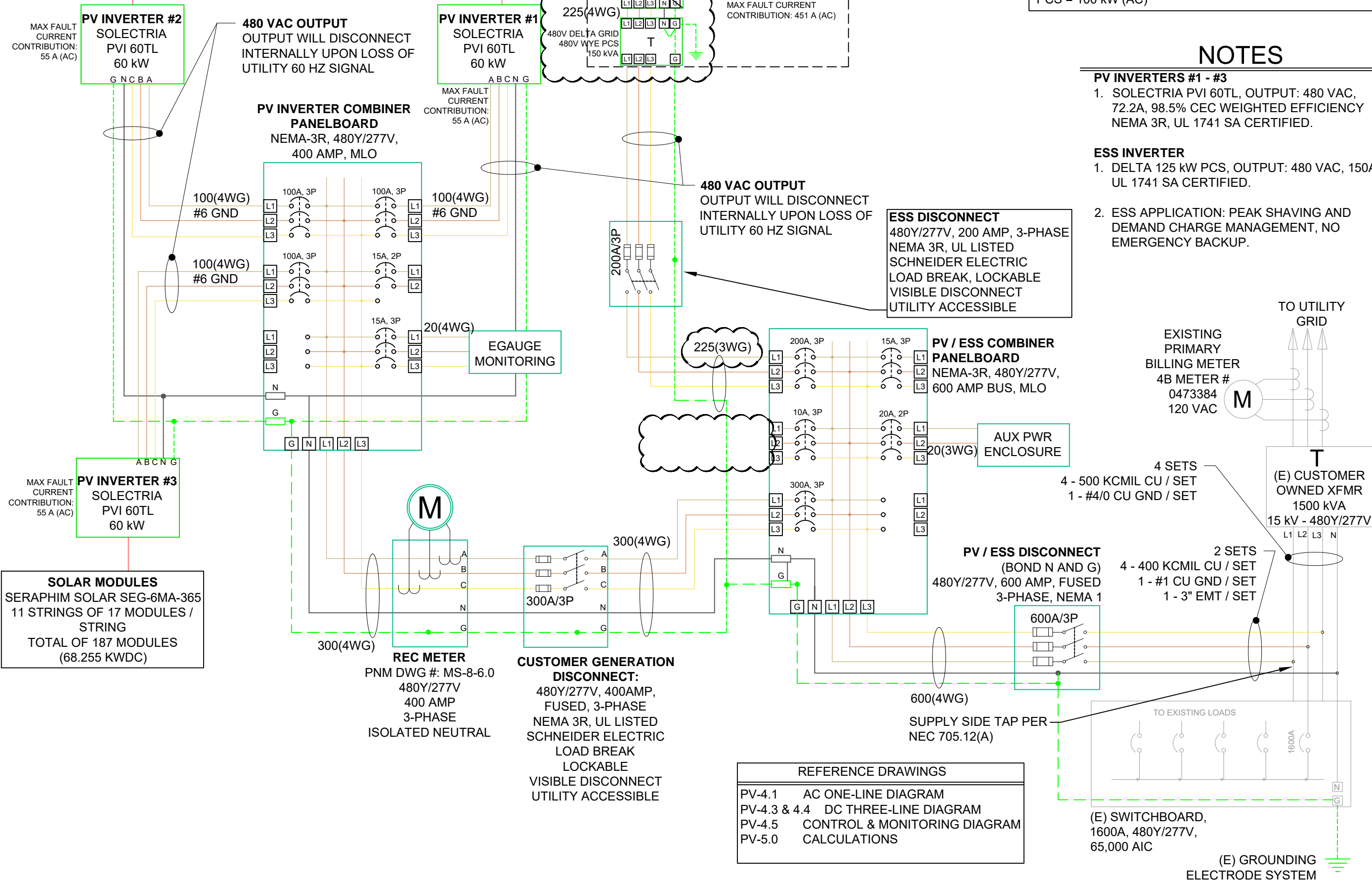


SOLAR MODULES
 SERAPHIM SOLAR SEG-6MA-365
 11 STRINGS OF 17 MODULES / STRING
 TOTAL OF 187 MODULES (68.255 KWDC)

SOLAR MODULES
 SERAPHIM SOLAR SEG-6MA-365
 10 STRINGS OF 18 MODULES / STRING
 TOTAL OF 180 MODULES (65.700 KWDC)

ESS PACKAGE
 100 KW / 200 KWH
 UL 1741 SA CERTIFIED
REFER TO PV-4.7 FOR GROUNDING

PV INVERTERS: 3 * SOLECTRIA PVI 60TL = 180.00 kW (AC)
MODULES: 554 * 365W = 202.21 kW (STC-DC)
ENERGY STORAGE SYSTEM: 1 * DELTA P125 100 kW PCS = 100 kW (AC)



NOTES

- PV INVERTERS #1 - #3**
- SOLECTRIA PVI 60TL, OUTPUT: 480 VAC, 72.2A, 98.5% CEC WEIGHTED EFFICIENCY NEMA 3R, UL 1741 SA CERTIFIED.
- ESS INVERTER**
- DELTA 125 kW PCS, OUTPUT: 480 VAC, 150A, UL 1741 SA CERTIFIED.
 - ESS APPLICATION: PEAK SHAVING AND DEMAND CHARGE MANAGEMENT, NO EMERGENCY BACKUP.

REVISIONS

DESCRIPTION	DATE	REV
PERMIT	10-02-2018	1
UTILITY COMMENTS	11-07-2018	2
CONSTRUCTION	12-21-2018	3
PANELBOARD UPDATES & DELTA WIRING	2-01-2019	4
ESS UPDATES	8-06-2019	5
CONTROL UPDATES	10-16-2019	6

Signature with Seal


PROJECT NAME
 CITY OF ABQ BOTANICAL GARDENS PV AND ESS
 2601 CENTRAL AVE NW
 ALBUQUERQUE, NM 87104

SHEET NAME
 AC THREE-LINE DIAGRAM

SHEET SIZE
 ANSI B
 11" X 17"

SHEET NUMBER
 PV-4.2

REFERENCE DRAWINGS

PV-4.1	AC ONE-LINE DIAGRAM
PV-4.3 & 4.4	DC THREE-LINE DIAGRAM
PV-4.5	CONTROL & MONITORING DIAGRAM
PV-5.0	CALCULATIONS