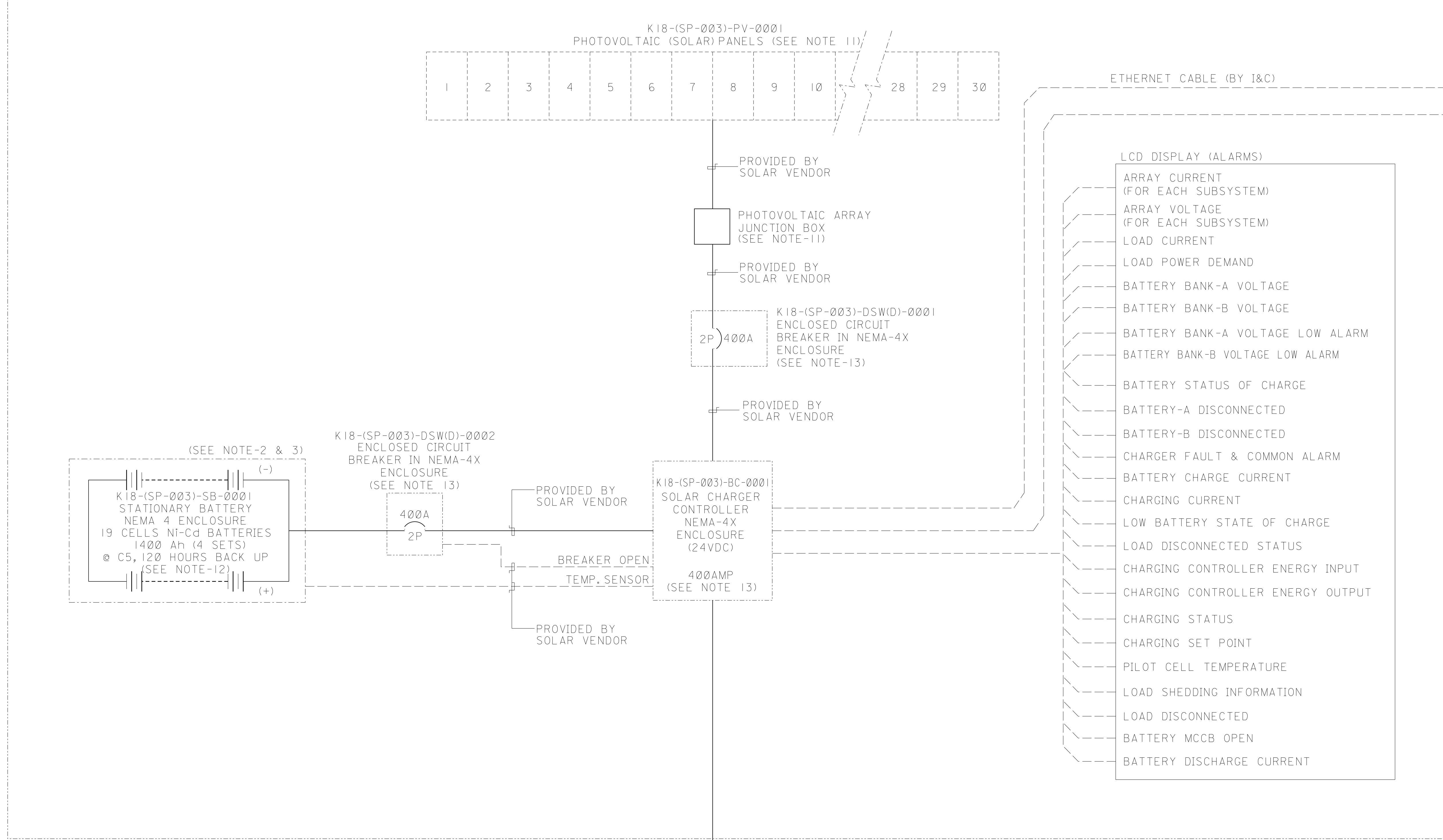


### SOLAR SYSTEM (BY VENDOR)



### HOLD NOTES:

1. SOLAR SYSTEM, COMMUNICATION EQUIPMENT AND INSTRUMENTATION RATINGS/POWER CONSUMPTION TO BE UPDATED ONCE VENDOR INPUT RECEIVED.
2. ALL ELECTRICAL & I&C EQUIPMENTS TAGS.
3. SUPPLY VOLTAGE OF HOV IS UNDER HOLD.

### NOTES:

1. PHOTOVOLTAIC (SOLAR) SYSTEM AND INSTALLATION SPECIFICATION SHALL BE IN ACCORDANCE WITH SAUDI ARAMCO ENGINEERING STANDARD SAES-P-103 AND SAES-P-128.
2. VENDOR SHALL PROVIDE BATTERY IN ACCORDANCE WITH 17-SAMSS-511, AND LATEST EDITION OF NFPA-70.
3. OUTDOOR BATTERY INSTALLATIONS, BATTERY ENCLOSURE SHALL BE MADE NON-METALLIC (MADE OF FIBERGLASS-REINFORCED) MATERIAL AS PER SAES-P-128.
4. VENDOR SHALL CONSIDER SITE DERATING FOR AMBIENT TEMPERATURES IN THE SELECTION OF BREAKERS (MCCBA'S AS PER TABLE-I OF SAES-A-112, TABLE-I (40°C)).
5. ALL ALARM INDICATIONS AND INSTRUMENTATION SHALL BE IN ACCORDANCE WITH SAES-P-103, AND 17-SAMSS-514.
6. THE LV PANELBOARD SHALL BE MANUFACTURED IN ACCORDANCE WITH 16-SAMSS-518.
7. DC BUS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE SAUDI ARAMCO MANUFACTURING SPECIFICATION (SAMS).
8. PHOTOVOLTAIC (SOLAR) SYSTEM EQUIPMENT SHALL NOT BE INSTALLED/LOCATED INSIDE THE CLASSIFIED AREA.
9. ALL PANEL BOARD SHALL BE TOTALLY ENCLOSED DEAD FRONT CIRCUIT TYPE, MULTI-POLE BREAKERS SHALL HAVE COMMON TRIP AND SINGLE OPERATING HANDLE.
10. VENDOR SHALL PROVIDE PHOTOVOLTAIC (SOLAR) SYSTEM AS PER LATEST LOAD REQUIREMENTS.
11. VENDOR SHALL CONFIRM THE NUMBER OF PHOTOVOLTAIC (SOLAR) SYSTEM ARRAY AND INSTALLATION ARRANGEMENT, JUNCTION BOXES.
12. VENDOR SHALL CONFIRM THE BATTERY Ah CAPACITY.
13. VENDOR SHALL CONFIRM THE RATINGS OF PHOTOVOLTAIC (SOLAR) SYSTEM CHARGER CONTROLLER AND CIRCUIT BREAKERS.
14. FUSED DISCONNECT COMBINER BETWEEN PHOTOVOLTAIC (SOLAR) SYSTEM ARRAYS AND MPPT CHARGE CONTROLLER SHALL BE PROVIDED BY VENDOR.
15. SAUDI ARAMCO STANDARDS, CUT-OFF DATE MAY 2023 HAS BEEN CONSIDERED.

### K18-(SP-003)-PP-0001, 24VDC POWER PANEL

