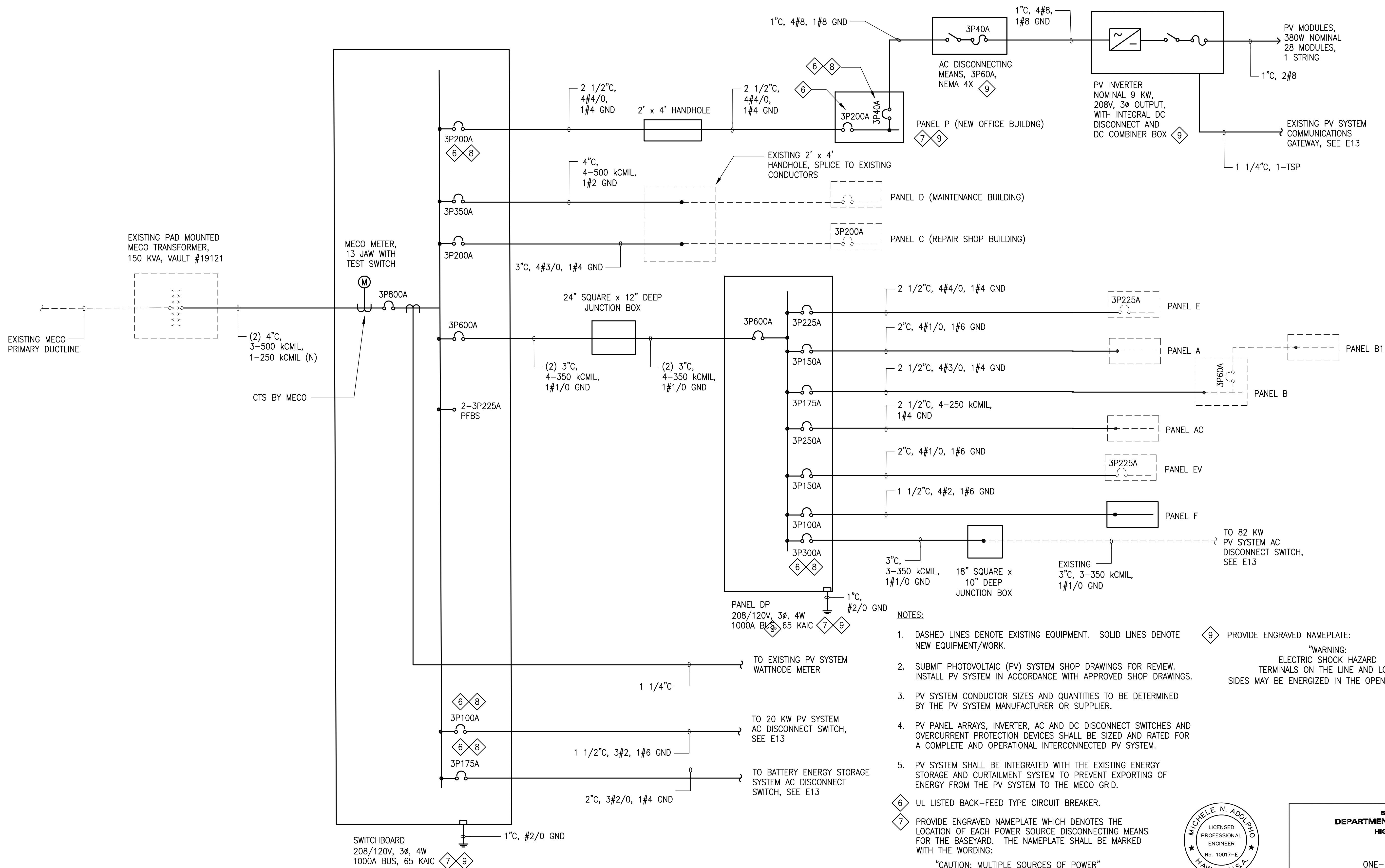




ONE LINE DIAGRAM - 1
NO SCALE

NOTES:

- DASHED LINES DENOTE EXISTING EQUIPMENT. SOLID LINES DENOTE NEW EQUIPMENT/WORK.
- SUBMIT PHOTOVOLTAIC (PV) SYSTEM SHOP DRAWINGS FOR REVIEW. INSTALL PV SYSTEM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS.
- PV SYSTEM CONDUCTOR SIZES AND QUANTITIES TO BE DETERMINED BY THE PV SYSTEM MANUFACTURER OR SUPPLIER.
- PV PANEL ARRAYS, INVERTER, AC AND DC DISCONNECT SWITCHES AND OVERCURRENT PROTECTION DEVICES SHALL BE SIZED AND RATED FOR A COMPLETE AND OPERATIONAL INTERCONNECTED PV SYSTEM.
- PV SYSTEM SHALL BE INTEGRATED WITH THE EXISTING ENERGY STORAGE AND CURTAILMENT SYSTEM TO PREVENT EXPORTING OF ENERGY FROM THE PV SYSTEM TO THE MECO GRID.

UL LISTED BACK-FEED TYPE CIRCUIT BREAKER.

PROVIDE ENGRAVED NAMEPLATE WHICH DENOTES THE LOCATION OF EACH POWER SOURCE DISCONNECTING MEANS FOR THE BASEYARD. THE NAMEPLATE SHALL BE MARKED WITH THE WORDING:

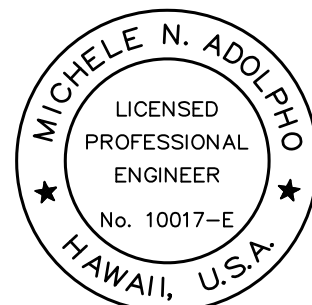
"CAUTION: MULTIPLE SOURCES OF POWER"

CIRCUIT BREAKER SHALL BE LOCATED AT THE OPPOSITE END OF THE BUSBAR FROM THE MAIN CIRCUIT BREAKER. PROVIDE ENGRAVED NAMEPLATE:

"WARNING:
POWER SOURCE OUTPUT CONNECTION -
DO NOT RELOCATE THIS OVERCURRENT DEVICE"

PROVIDE ENGRAVED NAMEPLATE:

"WARNING:
ELECTRIC SHOCK HAZARD
TERMINALS ON THE LINE AND LOAD
SIDES MAY BE ENERGIZED IN THE OPEN POSITION"



PROJECT ENGINEER for ECS, Inc.
APRIL 30, 2024
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

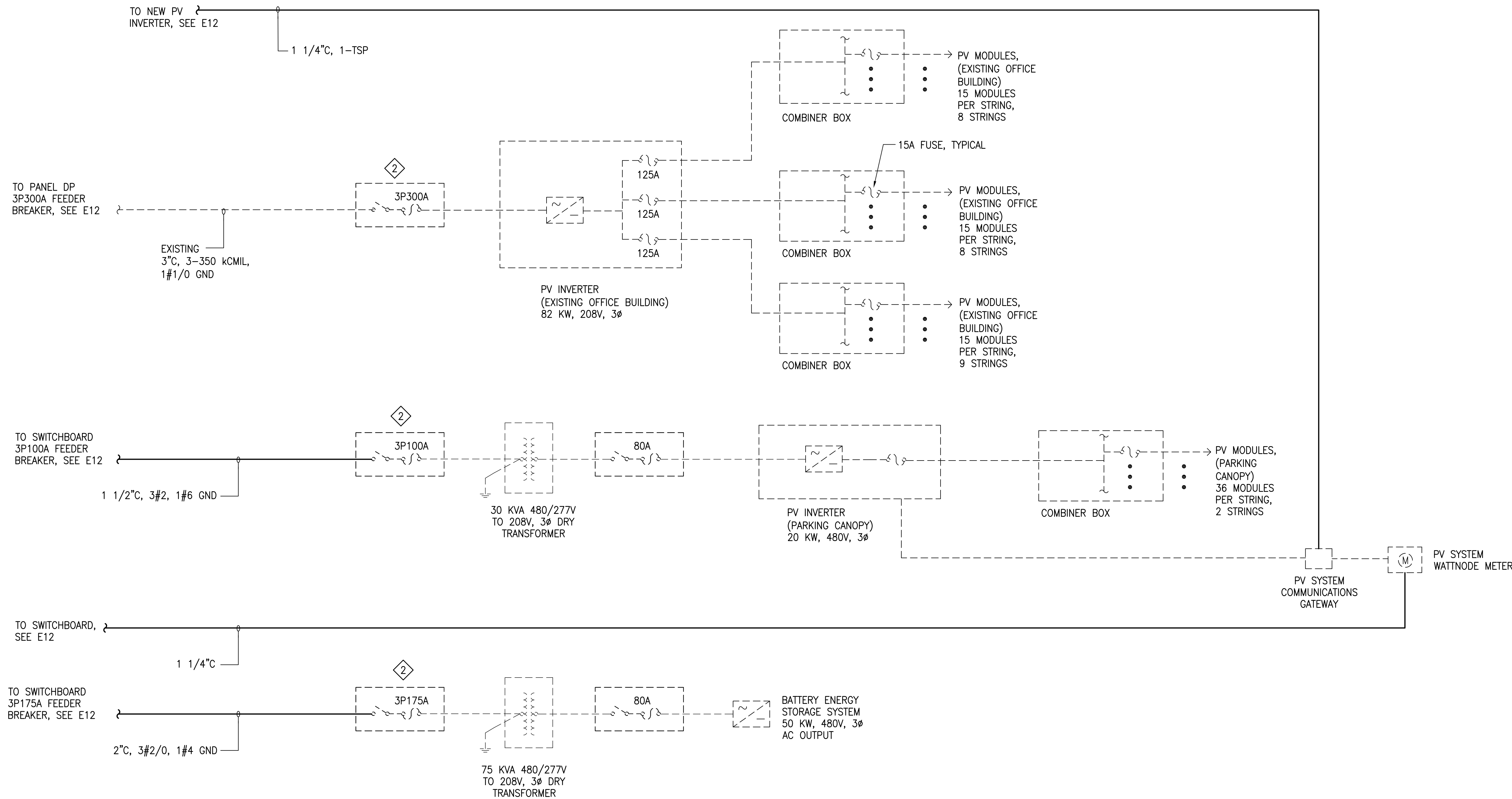
ONE-LINE DIAGRAM - 1

MAUI DISTRICT BASEYARD
Project No. HWY-M-ART18.01

Scale: AS SHOWN Date: MAY 2022

SHEET No. E12 OF 80 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-ART18-01	2022	70	80



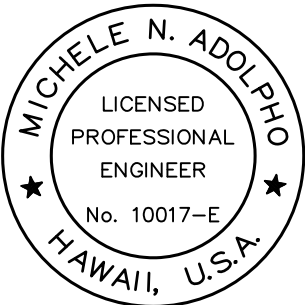
ONE LINE DIAGRAM - 2
NO SCALE

NOTES:

1. DASHED LINES DENOTE EXISTING EQUIPMENT.
SOLID LINES DENOTE NEW EQUIPMENT/WORK.

2. REMOVE EXISTING AND PROVIDE NEW ENGRAVED NAMEPLATE WHICH DENOTES THE LOCATION OF EACH POWER SOURCE DISCONNECTING MEANS FOR THE BASEYARD. THE NAMEPLATE SHALL BE MARKED WITH THE WORDING:

"CAUTION: MULTIPLE SOURCES OF POWER"



Michele N. Adolpho
PROJECT ENGINEER for ECS, Inc.
APRIL 30, 2024
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ONE-LINE DIAGRAM - 2

MAUI DISTRICT BASEYARD
Project No. HWY-M-ART18.01

Scale: AS SHOWN Date: MAY 2022

SHEET No. E13 OF 80 SHEETS

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
APPROVED BY	
DATE	