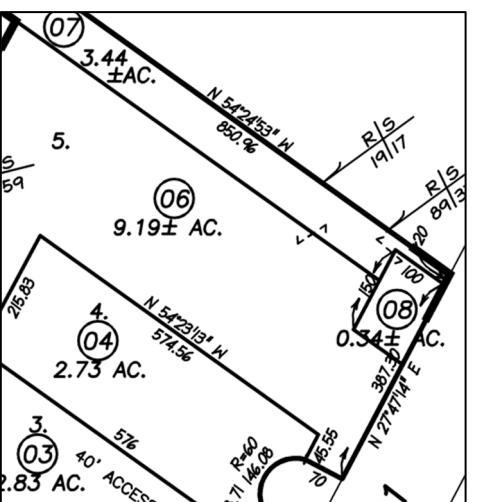
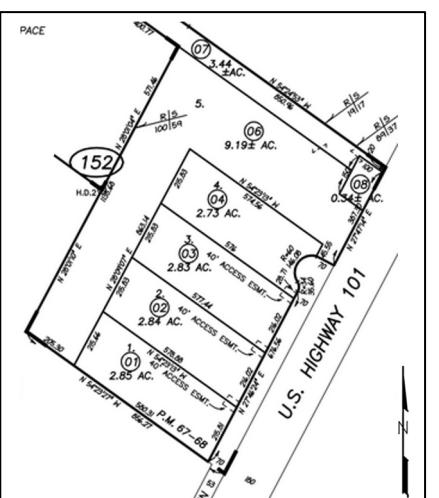
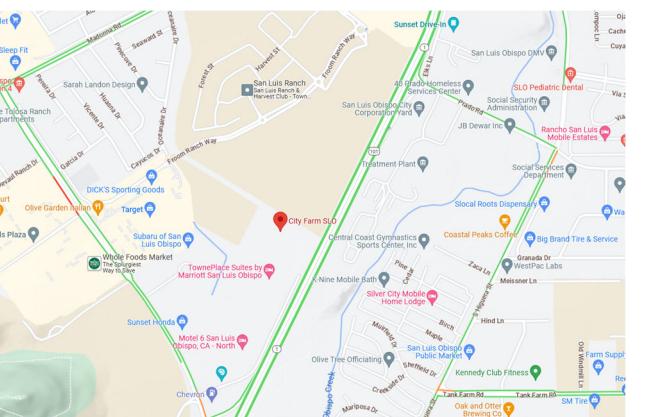


# S.01 SITE AND PLAN OVERVIEW



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S.01	SITE AND PLAN OVERVIEW
S.02	EXISTING SITE PLAN
D.01	DEMOLITION PLAN
E.01	NEW SYSTEM SITE PLAN
E.02	SYSTEM SINGLE LINE AND CHARACTERISTICS
E.03	ELECTRICAL SCHEDULES
E.04	ELECTRICAL DETAILS AND LABELS

## LEGEND (APPLICABLE IF DRAWINGS/PLANS ARE NOT ALREADY LABELED)

SYMBOL	DESCRIPTION
(N) - SYMBOLS SHOWN IN GREEN COLOR	NEW
(E) - SYMBOLS SHOWN IN ORANGE COLOR	EXISTING TO REMAIN
(D) - SYMBOLS SHOWN IN BLUE COLOR	EXISTING TO DEMOLISH
	AIR CONDITIONING UNIT
	HOUSED DC BREAKER
	SUBPANEL (WITH MAIN AND CIRCUIT BREAKERS)
	BATTERY
	INVERTER
	METER
	AC DISCONNECT (DUMMY FUSE INCLUDED)
	SOLAR ARRAY
	CONDUIT

## GENERAL NOTES

- THE WORK DONE SHALL BE AS MANDATED BY THE ALL APPLICABLE CODES AND STANDARDS ADOPTED BY THE AUTHORITY HAVING JURISDICTION. WE IDENTIFY CALIFORNIA'S TITLE 24, THE 2022 CEC WITH LOCAL AMENDMENTS
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING, HANDLING REMOVING, DISPOSING OF ALL ELECTRICAL EQUIPMENT SAFELY AND RESPONSIBLY. WORK PERSONS SHALL ENACT CONSTRUCTION IN SAFE MANNER AND ADHERE TO ALL SAFETY STANDARDS WHILE ON SITE AND BE QUALIFIED TO PREFORM THE WORK
- SITE IS LOCATED IN UNSTUDIED FLOOD ZONE A, GRADING AND FLOOD INFORMATION FOUND IN PUBLIC GRADING PLANS FOR SLO 04-0615 AUTO PARK MALL. ELECTRICAL COMPONENTS ARE TO BE INSTALLED 3' ABOVE GRADE



**CAL POLY**

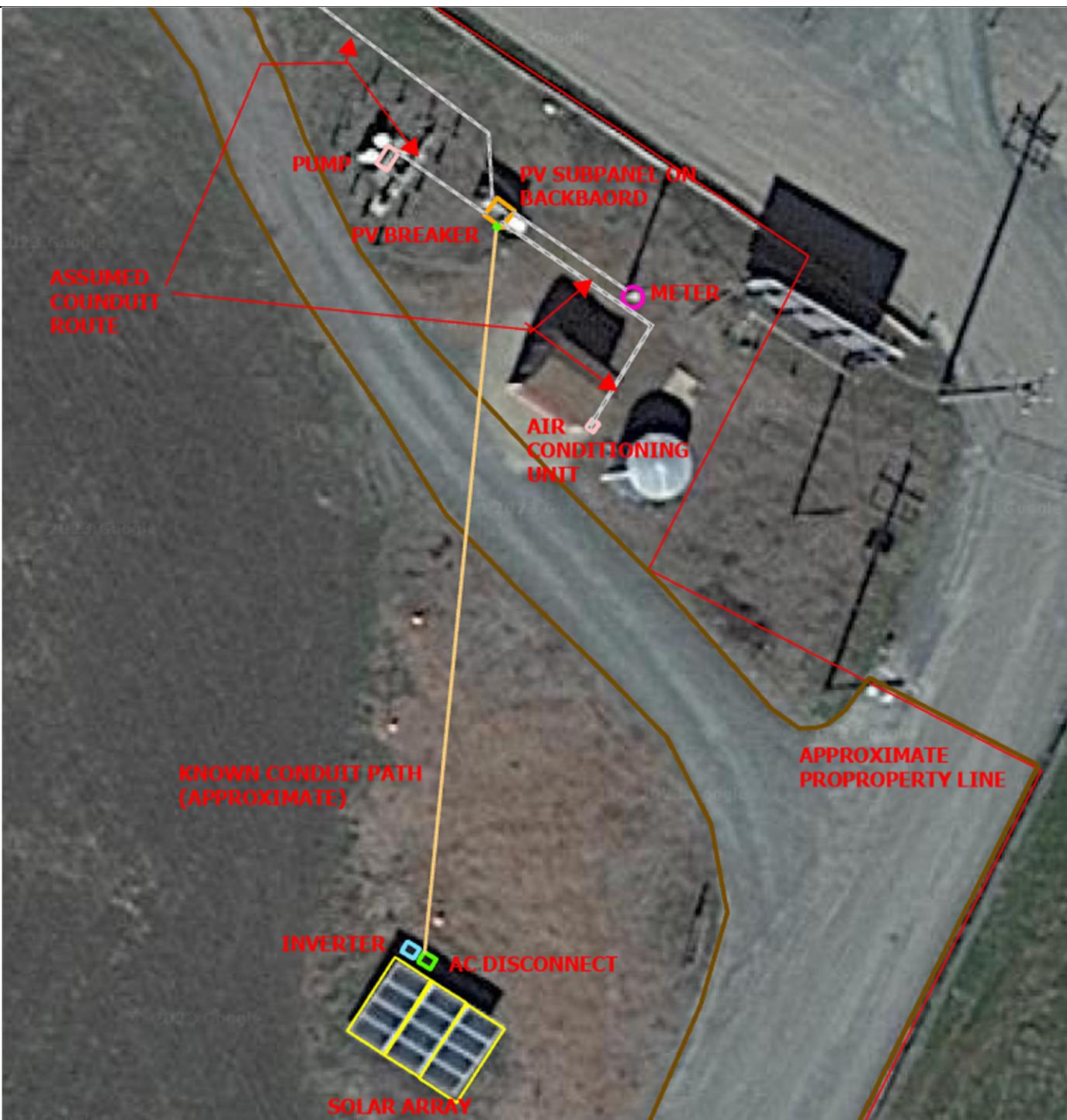
ELECTRICAL DRAWINGS BY: NEIL COLLISON AND LILY GOLDMAN  
FOR: CALIFORNIA POLYTECHNIC STATE UNIVERSITY  
1 GRAND AVE,  
SAN LUIS OBISPO, CA 93407  
  
CUSTOMER: CITY FARM SAN LUIS OBISPO  
CONTACT: STEVEN MARX

PROJECT NAME: CITY FARM SLO RENEWABLE ENERGY GENERATION DESIGN  
  
PROJECT ADDRESS:  
1221 CALLE JOAQUIN,  
SAN LUIS OBISPO, CA 93405  
  
ASSESSOR'S MAP, COUNTY OF SAN LUIS OBISPO CA.  
BOOK 053 PAGE 152 PARCEL 06

AUTHORITY HAVING JURISDICTION: SAN LUIS OBISPO  
ELECTRICAL SERVICE PROVIDER: PG&E AND CCCE

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APPLICATION TO ANY AUTHORITY WITHOUT DUE DILIGENCE BEING  
DONE BY PROFESSIONAL ENGINEERING ENTITY WHO SCRUTINIZE  
PLANS UNDER ALL APPLICABLE CODES/RULES/DECISIONS AND  
COMPLETE ALL NECESSARY STEPS TOWARDS ANY APPLICATION**  
  
LATEST REVISION: 5/30/2023

## S.02 EXISTING SITE PLAN



EXISTING SITE PLAN

### EXISTING COMPONENT PLAN NOTES

- 1 ALL EQUIPMENT SHOWN IN THIS PLAN IS EXISTING
- 2 STANDARDIZE LEGEND COLORS DO NOT APPLY
- 3 COMPONENTS SHOWN HERE MAY OR MAY NOT BE DEMOLISHED, SEE SHEET D.01
- 4 RESERVE RED COLOR FOR LABELING AND APPROXIMATING THE PROPERTY LINE
- 5 THE CURRENT CONDUCTOR CONDUIT COULD BE LOCATED IN AN ENTIRELY DIFFERENT LOCATION, BUT BASED ON THE LOCATIONS OF THE EQUIPMENT IT FEEDS AND THE PANEL SERVING IT WE FIND THE SHOWN APPROXIMATE LOCATION LIKELY. THIS DRAWING IS NOT TO IMPLY THAT ALL LOADS ARE FEED FROM THE "PV SUBPANEL." INSTEAD, IT SHOWS THAT THE ASSUMPTION IS THAT ALL LOADS ARE FED FROM A PANEL AT THAT BACKBOARD

# D.01 DEMOLITION PLAN



DEMOLITION PLAN

(E) COMPONENTS TO BE REMOVED COMPONENT AND MODEL NUMBER (IF KNOWN)
INVERTER: SMA SB3.8-1SP-US-40
AC DISCONNECT: UNKNOWN
PV BREAKER: UNKNOWN

## DEMOLITION PLAN NOTES

- 1 (E) SOLAR PANELS ARE TO REMAIN. HOWEVER, THREE MODULES MUST BE BROKEN OFF OF EXISTING STRING, THE EXISTING STRING MUST BE RECENTERED AND REATTACHED ON THE EXISTING SOLAR PANEL SUPPORT STRUCTURE. OF THE THREE MODULES THAT ARE BROKEN OFF, TWO ARE TO BE INSTALLED IN A STRING WITH SEVEN NEW MODULES AND ONE IS TO BE INSTALLED ON A STRING WITH EIGHT NEW MODULES. SEE SITE PLAN ON SHEET E.01 FOR ADDITIONAL INFORMATION. THE ELECTRICAL CONNECTIONS BETWEEN THE PANELS AND THE MECHANICAL CONNECTIONS BETWEEN THE PANELS AND THEIR SUPPORT STRUCTURE. THIS MUST BE DONE SAFELY, TAKING CARE TO ATTACH A COVERING ON THE FACE OF THE PANELS TO PREVENT VOLTAGE FROM BEING PRESENT WHILE WORK IS BEING DONE.
- 2 ADHERE TO ALL RELEVANT DECOMMISSIONING REQUIREMENTS FOR DEMOLISHED EQUIPMENT AND CONDUIT. THE INVERTER IN PARTICULAR SHOULD BE DISPOSED OF ACCORDING TO A MEANS SPECIFIED BY ITS MANUFACTURER
- 3 IF CONDUCTOR OR CONDUIT IS UNDAMAGED, LONG ENOUGH, AND OF THE CORRECT SIZE IT CAN BE SET ASIDE AND REUSED, AS (N) WIRE IN LOCATIONS SHOWN ON E.01. ANY REUSED CONDUCTOR SHOULD BE INSPECTED AND TESTED TO ENSURE IT WILL FUNCTION SAFELY
- 4 REPLACE OR UPDATE ANY WARNING SIGNS OR MARKINGS THAT ARE STILL RELEVANT WITH SIGNAGE THAT MEETS CEC REQUIREMENTS.
- 5 DO NOT BEGIN TO EXCAVATE BEFORE IDENTIFYING UNDERGROUND CONDUIT OR OTHER FACILITIES

 <b>CAL POLY</b>	<p>ELECTRICAL DRAWINGS BY: NEIL COLLISON AND LILY GOLDMAN  FOR: CALIFORNIA POLYTECHNIC STATE UNIVERSITY 1 GRAND AVE, SAN LUIS OBISPO, CA 93407  CUSTOMER: CITY FARM SAN LUIS OBISPO CONTACT: STEVEN MARX</p>	<p>PROJECT NAME: CITY FARM SLO RENEWABLE ENERGY GENERATION DESIGN  PROJECT ADDRESS: 1221 CALLE JOAQUIN, SAN LUIS OBISPO, CA 93405  ASSESSOR'S MAP, COUNTY OF SAN LUIS OBISPO CA. BOOK 053 PAGE 152 PARCEL 06</p>	<p>AUTHORITY HAVING JURISDICTION: SAN LUIS OBISPO ELECTRICAL SERVICE PROVIDER: PG&amp;E AND CCCE  <b>PLANS AND DOCUMENTS ARE STRICTLY FOR PURPOSE OF ACADEMIC PROJECT, THEY ARE NOT TO BE USED AS BASIS FOR APPLICATION TO ANY AUTHORITY WITHOUT DUE DILIGENCE BEING DONE BY PROFESSIONAL ENGINEERING ENTITY WHO SCRUTINIZE PLANS UNDER ALL APPLICABLE CODES/RULES/DECISIONS AND COMPLETE ALL NECESSARY STEPS TOWARDS ANY APPLICATION</b>  LATEST REVISION: 5/30/2023</p>
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# E.01 NEW SYSTEM SITE PLAN

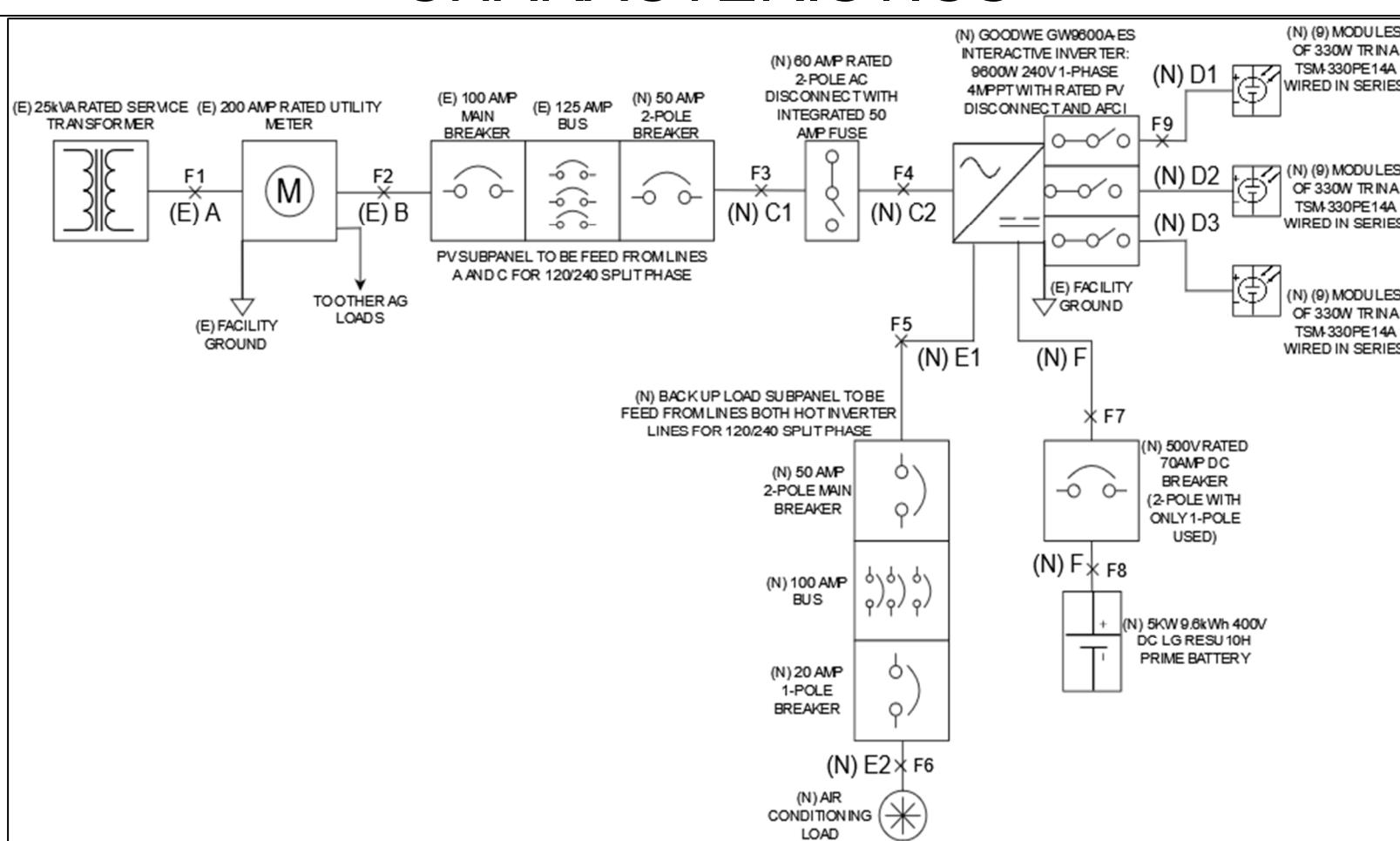


OVERALL SITE PLAN AND ZOOM IN ON MAIN ELECTRICAL COMPONENTS

SITE PLAN NOTES	
1	CLEARANCES AROUND ALL ELECTRICAL EQUIPMENT SHALL BE AS SPECIFIED BY THE CEC
2	ALL GROUNDING CONNECTIONS AND BONDS SHALL BE MADE AS SPECIFIED BY THE CEC, USING APPROVED CONNECTION MEANS AND ATTACHING ALL NECESSARY ELECTRICAL EQUIPMENT TO GROUND
3	ALL FITTINGS AND CONDUCTOR CONNECTORS SHALL ADHERE TO ALL RELEVANT CEC MANDATES, IN PARTICULAR 690.32 AND 690.33
4	ALL PANELBOARDS AND BUSSES SHALL HAVE INTERNAL ARRANGEMENTS, MARKINGS AND IDENTIFICATIONS AS PRESCRIBED BY THE CEC
5	ALL WIRING AND CONDUCTORS SHALL BE COLORED AND MARKED AS PRESCRIBED BY THE CEC, INSTALLED IN PROPER CONDUIT AS PRESCRIBED BY THE CEC
6	THE EXISTING GROUNDING ELECTRODE LOCATED AT THE MOST SOUTHERN SOLAR PANEL METAL SUPPORT STRUCTURE IS TO BE RE-LOCATED AND RE-INSTALLED AT THE NEW MOST NORTHERN METAL SUPPORT STRUCTURE. IF THIS IS IMPOSSIBLE, A NEW GROUNDING ELECTRODE IS TO BE INSTALLED AT THE MOST NORTHERN SOLAR PANEL METAL SUPPORT STRUCTURE
7	ALL NON-BURIED ELECTRICAL EQUIPMENT MUST BE INSTALLED AT A SITE ELEVATION OF AT LEAST THREE FEET AS TO AVOID FLOODING DURING A 100 YEAR FLOOD
8	A PARTITION IS TO BE INSTALLED AROUND THE 400 V DC BATTERY AND ALL OTHER NECESSARY EQUIPMENT AS TO KEEP CHILDREN AND UNQUALIFIED PERSONNEL FROM BEING ABLE TO INTERACT WITH THE ELECTRICAL EQUIPMENT. THIS PARTITION SHALL NOT PREVENT THE EQUIPMENT FROM BEING READILY AVAILABLE TO QUALIFIED PERSONNEL. IT SHALL BE IN COMPLIANCE WITH ALL CEC MANDATED, SPECIFICALLY CEC 110.27(A)(2)
9	INSTALL INVERTER, SOLAR PANELS, SWITCHES/BREAKERS, AND ALL EQUIPMENT FOLLOWING STANDARD SAFETY PRACTICES, ALL RELEVANT SAFETY RULES AND MANDATES, AND THE PROCEDURES SPECIFIED BY THE EQUIPMENT'S MANUFACTURER
10	THE INVERTER'S CURRENT TRANSFORMERS MUST BE ATTACHED TO THE PANEL WHERE THE MAIN DISCONNECT SWITCH IS LOCATED. THEIR WIRING SHALL BE RUN ALONG THE SAME PATH AS THE CONDUCTOR THAT CONNECTS THE PV SUBPANEL AND THE AC DISCONNECT SWITCH. INSTALL CURRENT TRANSFORMERS PER MANUFACTURERS INSTRUCTIONS.
11	INSTALL SOLAR PANELS IN A SAFE MANNER IN PARTICULAR. AN OPAQUE COVERING SHOULD BE ALLOWED AS TO PREVENT VOLTAGE FROM BEING PRESENT WHILE WORK IS BEING DONE
12	THE AC BYPASS SWITCH IS NOT TO BE ACTIVATED WHILE THE INVERTER IS ACTIVELY FUNCTIONING
13	THIS DESIGN IS BASED ON THE ASSUMPTION THAT THE PV SUBPANEL IS CONNECTED TO THE SERVICE ON THE SUPPLY SIDE OF THE MAIN BREAKER. THIS WAS NOT CONFIRMED.
14	ALL PANELS MODULES MAKING UP ONE STRING ARE TO BE CONNECTED IN SERIES WITH CONDUCTOR PROPERLY SIZED AND INSTALLED ACCORDING TO MANUFACTURER AND THE CEC
15	ALL SOLAR PANELS SHALL BE ORIENTED TO FACE 220 DEGREES FROM TRUE NORTH AND HAVE A PITCH OF 20 DEGREES. STRINGS SHALL BE NO CLOSER THAN 9' FEET FROM EACH OTHER AS TO PREVENT EXCESSIVE SHADING AND PANELS ARE TO BE NO CLOSER THAN 20' FROM THE ADJACENT ROADWAY (SEE BLACK BOXES).
16	UNDERGROUNDING AND SELECTION OF CONDUIT MATERIAL SHALL BE AS SPECIFIED IN THE CEC, PG&E MAY REQUIRE CONDUIT TO BE BURIED DEEPER AT THEIR DISCRETION
17	INVERTER SHALL BE PROGRAMMED TO ONLY CHARGE BATTERY BETWEEN, 12:30 AM AND 3:30 AM

 <b>CAL POLY</b>	ELECTRICAL DRAWINGS BY: NEIL COLLISON AND LILY GOLDMAN  FOR: CALIFORNIA POLYTECHNIC STATE UNIVERSITY 1 GRAND AVE, SAN LUIS OBISPO, CA 93407  CUSTOMER: CITY FARM SAN LUIS OBISPO CONTACT: STEVEN MARX	PROJECT NAME: CITY FARM SLO RENEWABLE ENERGY GENERATION DESIGN  PROJECT ADDRESS: 1221 CALLE JOAQUIN, SAN LUIS OBISPO, CA 93405  ASSESSOR'S MAP, COUNTY OF SAN LUIS OBISPO CA. BOOK 053 PAGE 152 PARCEL 06	AUTHORITY HAVING JURISDICTION: SAN LUIS OBISPO ELECTRICAL SERVICE PROVIDER: PG&E AND CCCE  <b>PLANS AND DOCUMENTS ARE STRICTLY FOR PURPOSE OF ACADEMIC PROJECT, THEY ARE NOT TO BE USED AS BASIS FOR APPLICATION TO ANY AUTHORITY WITHOUT DUE DILIGENCE BEING DONE BY PROFESSIONAL ENGINEERING ENTITY WHO SCRUTINIZE PLANS UNDER ALL APPLICABLE CODES/RULES/DECISIONS AND COMPLETE ALL NECESSARY STEPS TOWARDS ANY APPLICATION</b>  LATEST REVISION: 5/30/2023
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# E.02 (N) SYSTEM SINGLE-LINE & CHARACTERISTICS



TRINA TSM-330PE14A PV MODULE CHARACTERISTICS		(9) MODULE STRING CHARACTERISTIC		3 STRING CHARACTERISTIC	
PEAK POWER	330 W	PEAK POWER	2970 W	PEAK POWER	2970 W
OPEN CIRCUIT VOLTAGE	45.8 V	OPEN CIRCUIT VOLTAGE	412.2 V	OPEN CIRCUIT VOLTAGE	412.2 V
OPEN CIRCUIT VOLTAGE PER CEC 690.7	50.3 V	IDEAL OPERATING VOLTAGE	336.6 V	IDEAL OPERATING VOLTAGE	336.6 V
IDEAL OPERATING VOLTAGE	37.4 V	IDEAL OPERATING CURRENT	8.83 A	IDEAL OPERATING CURRENT	8.83 A
IDEAL OPERATING CURRENT	8.83 A	SHORT CIRCUIT CURRENT	9.28 A	SHORT CIRCUIT CURRENT	9.28 A
SHORT CIRCUIT CURRENT	9.28 A	AT CONDITIONS: IRRADIANCE = 1000W/M <sup>2</sup> AND 25 DEGREE CELSIUS TEMP			

LG RESU10H PRIME BATTERY CHARACTERISTICS	
NOMINAL VOLTAGE	400 V
CHARGING VOLTAGE RANGE	420-250 V
DISCHARGING VOLTAGE RANGE	350-410 V
MAX CHARGE/DISCHARGE CURRENT	14.3 A @ 350 V
MAX CHARGE/DISCHARGE POWER	5 kW
PROTECTION FEATURES	OVER VOLTAGE / OVER CURRENT / SHORT CIRCUIT / REVERSE POLARITY

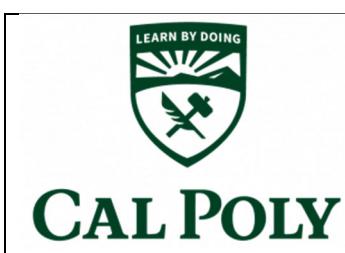
  

INVERTER CHARACTERISTICS	
BATTERY VOLTAGE RANGE	80-495 V
MAX CONTINUOUS BATTERY CHARGING/DISCHARGING CURRENT	50 A
MAX PV INPUT POWER	15000 W
MAX PV INPUT VOLTAGE	600 V
MPPT OPERATIONAL RANGE AND NOMINAL INPUT VOLTAGE	80-550 V; 380 V
START-UP VOLTAGE	95 V
MAX CURRENT PER MPPT	15.2 A
NUMBER OF MPPT	4
MAX APPARENT POWER TO/FROM UTILITY GRID	9600 VA
VOLTAGE RANGE	211-264 V
MAX AC CURRENT TO/FROM GRID	40 A
MAX BACK-UP OUTPUT POWER	9600 VA
MAX BACK-UP OUTPUT CURRENT	40 A
NOMINAL VOLTAGE AT GRID CONNECTION	240V
NOMINAL BACK-UP VOLTAGE	120/240 V

## INVERTER PROTECTION FEATURES

### Protection

- PV Insulation Resistance Detection
- Residual Current Monitoring
- PV Reverse Polarity Protection
- Battery Reverse Polarity Protection
- Anti-islanding Protection
- AC Overcurrent Protection
- AC Short Circuit Protection
- AC Overvoltage Protection
- PV Arc Fault Detection



ELECTRICAL DRAWINGS BY: NEIL COLLISON AND LILY GOLDMAN

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CUSTOMER: CITY FARM SAN LUIS OBISPO  
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LATEST REVISION: 5/30/2023

# E.03 ELECTRICAL SCHEDULES

(N) POWER EQUIPMENT SCHEDULE				
DESCRIPTION/ MODEL NUMBER	MANUFACTURER	QUANTITY	CERTIFICATION	WARRANTY
HYBRID INVERTER WITH AUTO TRANSFORMER: GW9600A-ES	GOODWE	1	UL 1741 SB, UL 1547, NEMA 4X ETCETERA	10 YEARS
SOLAR PANELS: TSM-330PE14A	TRINA	15	UL 1703 ETCETERA	25 YEARS
BATTERY: RESU 10H PRIME	LG ENERGY SOLUTIONS	1	UL 1642 UL1973 OUTDOOR IP55 ETCETERA	10 YEARS
NOTES: SEE CHARACTERISTIC TABLES ON SHEET E.02 FOR TECHNICAL INFORMATION				

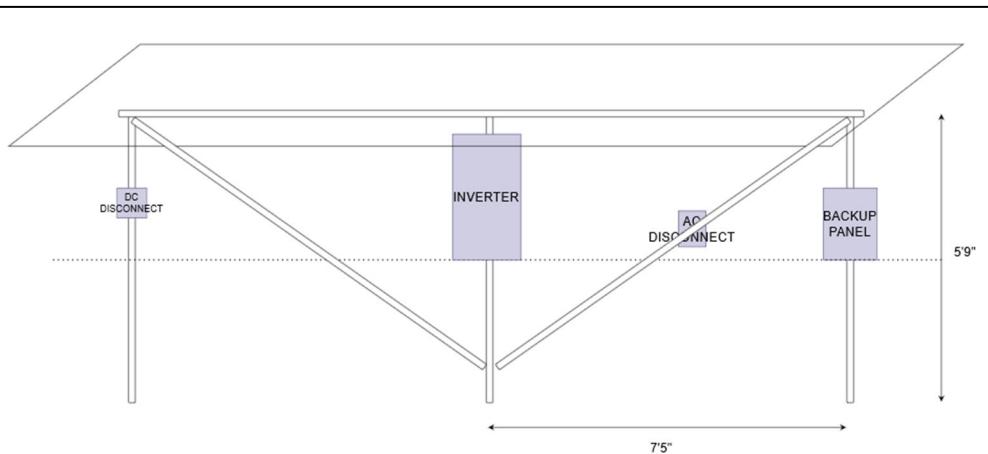
(N) PANEL AND BREAKER EQUIPMENT SCHEDULE							
DESCRIPTION AND PRODUCT NAME/MODEL NUMBER	MANUFACTURE	CURRENT RATING (A)	SHORT CIRCUIT CURRENT RATING	VOLTAGE RATING (V <sub>AC</sub> )	SPACES/POLE NUMBER	NEMA RATING/ CERTIFICATION LISTING	WARRANTY
AC DISCONNECT: DG222NRB	EATON	60	NA	240	2-POLE 3-WIRE	3R	1 YEAR FROM INSTALL
CLASS H FUSE: RF50	FERRAZ	50	10KA	250	NA	UL	NA
BACKED UP LOAD PANEL: SNW1224B1100	SIEMENS	100	22KA	240	12-SPACE	3R	1 YEAR
BACKED UP LOAD PANEL MAIN BREAKER: 50 AMP QP	SIEMENS	50	10KA	240	2-POLE	UL	NA
BACKED UP LOAD BREAKER:	SIEMENS	20	10KA	240	1-POLE	UL	NA
PV SUBPANEL LOAD BREAKER: 50 TYPE QP	SIEMENS	50	10KA	240	2-POLE	UL	NA
BATTERY BREAKER: CHTAIXI DC MINIATURE BREAKER	CHTAIXI	50	4KA	500V <sub>DC</sub>	2-POLE	IEC60947-2	NA
BATTERY BREAKER ENCLOSURE WITH ACCESSORIES: ZH-06-604	POLYCASE	NA		NA	>1-SPACE	1, 2, 3, 3R, 3X, 3RX, 3S, 3SX, 4, 4X, 5, 12, 13	NA
NOTES: ALL INCLUDED EQUIPMENT HAS QUANTITY OF 1							

CONDUCTOR TABLE				
LINE	CONDUCTOR	NEUTRAL	GROUND	LENGTH
A (EXISTING)	UNKNOWN TYPE	UNKNOWN	UNKNOWN	70'
B (EXISTING)	(2) #1/0 THWN	#1/0 THWN	#4 THWN	35'
C1 (NEW)	(2) #8 THWN	#8 THWN	NA	90'
C2 (NEW)	(2) #8 THWN	#8 THWN	#8 THWN	10'
D 1-3 (NEW)	(2) #12 PV	NA	#8 THWN	15', 45', 55'
E1 (NEW)	(2) #8 THWN	#8 THWN	#8 THWN	10'
E2 (NEW)	#14 THWN	#14 THWN	#8 THWN	65'
F (NEW)	(2) #4 THWN	NA	#8 THWN	15'
NOTES: ALL CONDUCTOR TO BE INSTALLED IN APPROPRIATE CONDUIT				

PV SUBPANEL SCHEDULE											
VOLTAGE:	PHASE:	WIRE:	MAIN BREAKER:	RATING:	A.I.C. RATING:						
120/240	1	3	100 A	125 A	UNKNOWN						
1	INVERTER FEED	2	50 A	4800W						NA	NA
				4800W						NA	NA
BACK-UP PANELBOARD SCHEDULE											
VOLTAGE:	PHASE:	WIRE:	MAIN BREAKER:	RATING:	A.I.C. RATING:						
120/240	1	3	50 A	100 A	22 KA						
1	AC UNIT	1	20 A	1187 W						NA	NA
3	UNUSED	NA	NA							NA	NA

 <p><b>CAL POLY</b></p>	ELECTRICAL DRAWINGS BY: NEIL COLLISON AND LILY GOLDMAN	PROJECT NAME: CITY FARM SLO RENEWABLE ENERGY GENERATION DESIGN	AUTHORITY HAVING JURISDICTION: SAN LUIS OBISPO ELECTRICAL SERVICE PROVIDER: PG&E AND CCCE
	FOR: CALIFORNIA POLYTECHNIC STATE UNIVERSITY 1 GRAND AVE, SAN LUIS OBISPO, CA 93407	PROJECT ADDRESS: 1221 CALLE JOAQUIN, SAN LUIS OBISPO, CA 93405	<b>PLANS AND DOCUMENTS ARE STRICTLY FOR PURPOSE OF ACADEMIC PROJECT, THEY ARE NOT TO BE USED AS BASIS FOR APPLICATION TO ANY AUTHORITY WITHOUT DUE DILIGENCE BEING DONE BY PROFESSIONAL ENGINEERING ENTITY WHO SCRUTINIZE PLANS UNDER ALL APPLICABLE CODES/RULES/DECISIONS AND COMPLETE ALL NECESSARY STEPS TOWARDS ANY APPLICATION</b>
	CUSTOMER: CITY FARM SAN LUIS OBISPO CONTACT: STEVEN MARX	ASSESSOR'S MAP, COUNTY OF SAN LUIS OBISPO CA. BOOK 053 PAGE 152 PARCEL 06	LATEST REVISION: 5/30/2023

# E.04 ELECTRICAL DETAILS AND LABELS



ELECTRICAL DETAIL 1: MOUNTING HEIGHTS AND LOCATIONS OF ELECTRICAL EQUIPMENT MOUNTED ON SOLAR PANEL SUPPORT STRUCTURE

**Physical Attributes**

Enclosure	NEMA 3R
Resistor material	Painted galvanized steel
Fuse configuration	Two-pole
Fuse with neutral	Number Of Poles
Number Of Wires	3
Type	General duty, cartridge fused

**Performance Ratings**

Ampere Rating	60A
Fuse class provision	Class H fuses
Voltage rating	240V

**Miscellaneous**

Product Category	General safety switch
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**Resources**

- Catalog: Eaton Volume 2 – Commercial Distribution
- Media: Eaton Digital Pic Center
- Double Up in Safety
- Specifications and Datasheets: Eaton Spec Sheet - DG222NRB

**EATON**  
Powering Business Worldwide

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200 London Road  
Duluth, Ireland  
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**Product specifications**

**Eaton DG222NRB**

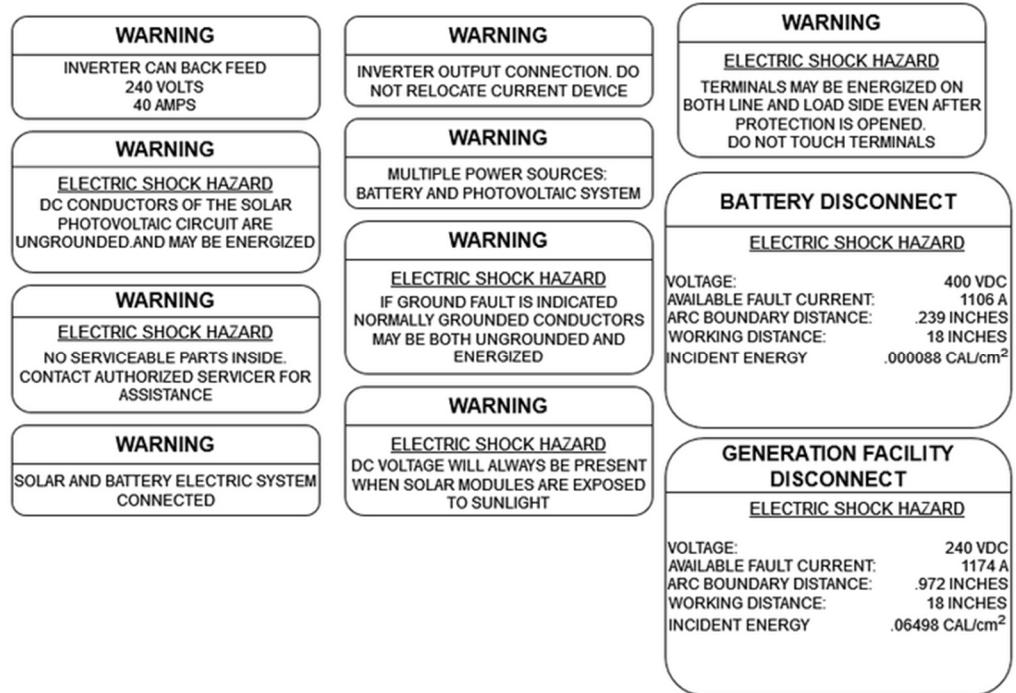
Catalog Number: DG222NRB

Eaton General duty cartridge fuse safety switch, 60 A, NEMA 3R, Painted galvanized steel. Class H fuses. Fusable with neutral. Two-pole. Three-wire. Category: general duty safety switch. 240 V

**General specifications**

Product Name	Catalog Number
Eaton general duty cartridge fuse safety switch	DG222NRB
	UPC
7.35 in	762113144221
Product Length/Depth	Product Height
8.4 in	14.37 in
Product Width	Product Weight
	10 lb
Warranty	Certifications
Eaton Sealing Policy 25-000, one (1) year UL Listed	
From the date of installation of the Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.	
<small>Catalog Notes:</small>	
<small>Product or eighteen (18) months from the date of shipment of the Product, whichever occurs first.</small>	<small>Maximum trip ratings apply only when dual current fuses are used. 3-phase trip rating shown is a grounded 3-phase rating. UL 1986.</small>

ELECTRICAL DETAIL 2: EATON AC DISCONNECT SPEC SHEET



## WARNING LABELS

### WARNING SIGNAGE NOTES

- 1 **LABELS SHALL BE LOCATED AND INSTALLED IN ACCORDANCE WITH SOLAR GUIDEBOOK ARTICLE 690**
- 2 **WHERE THE ARTICLE DOES NOT INDICATE LOCATION AND INSTALLATION METHOD OF ANY SPECIFIC LABELING, LABELS SHALL BE LOCATED AND INSTALLED IN ACCORDANCE WITH THE CEC**
- 3 **LABELING MATERIAL, DURABILITY AND APPEARANCE SHALL BE IN ACCORDANCE WITH CEC**

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