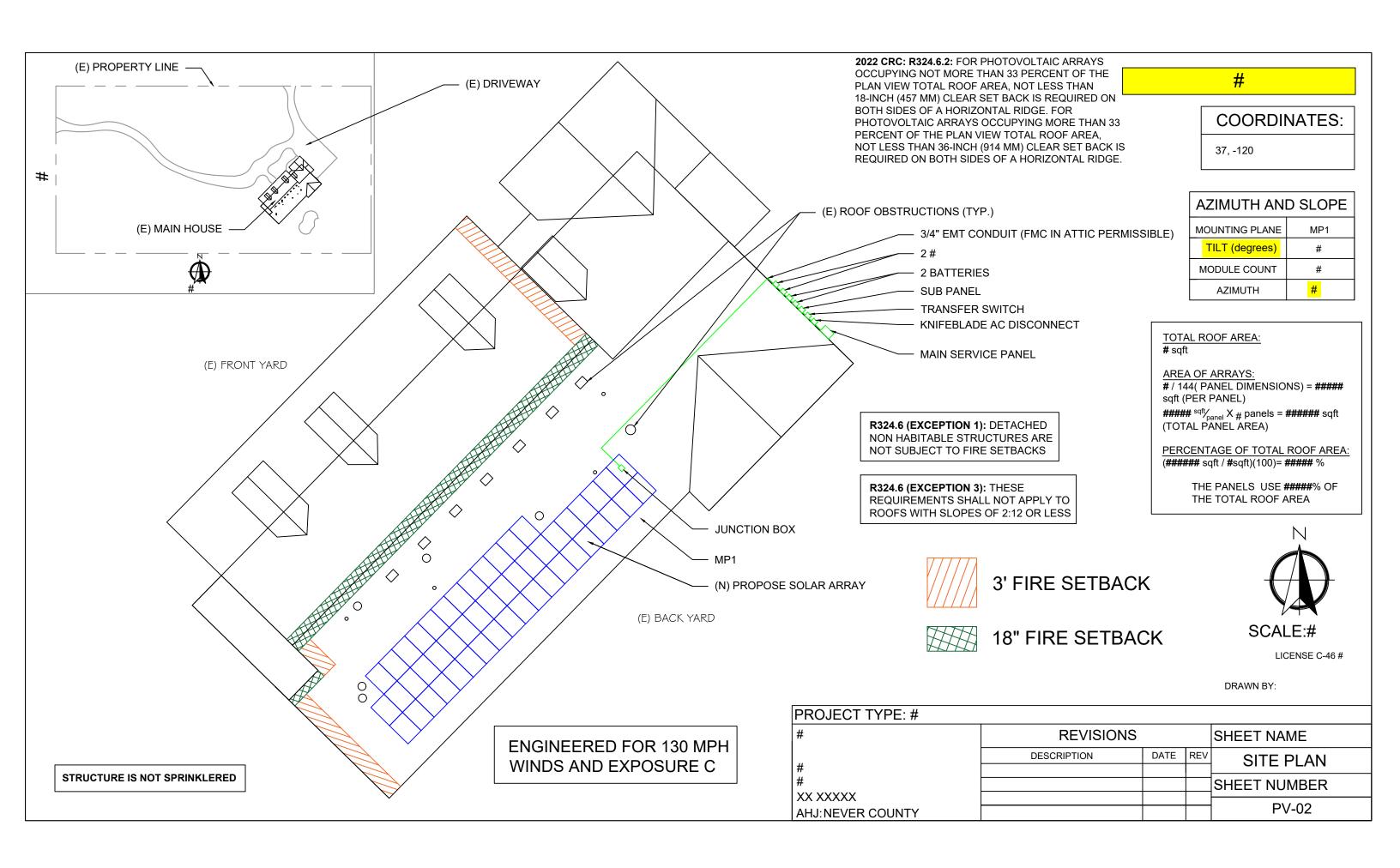
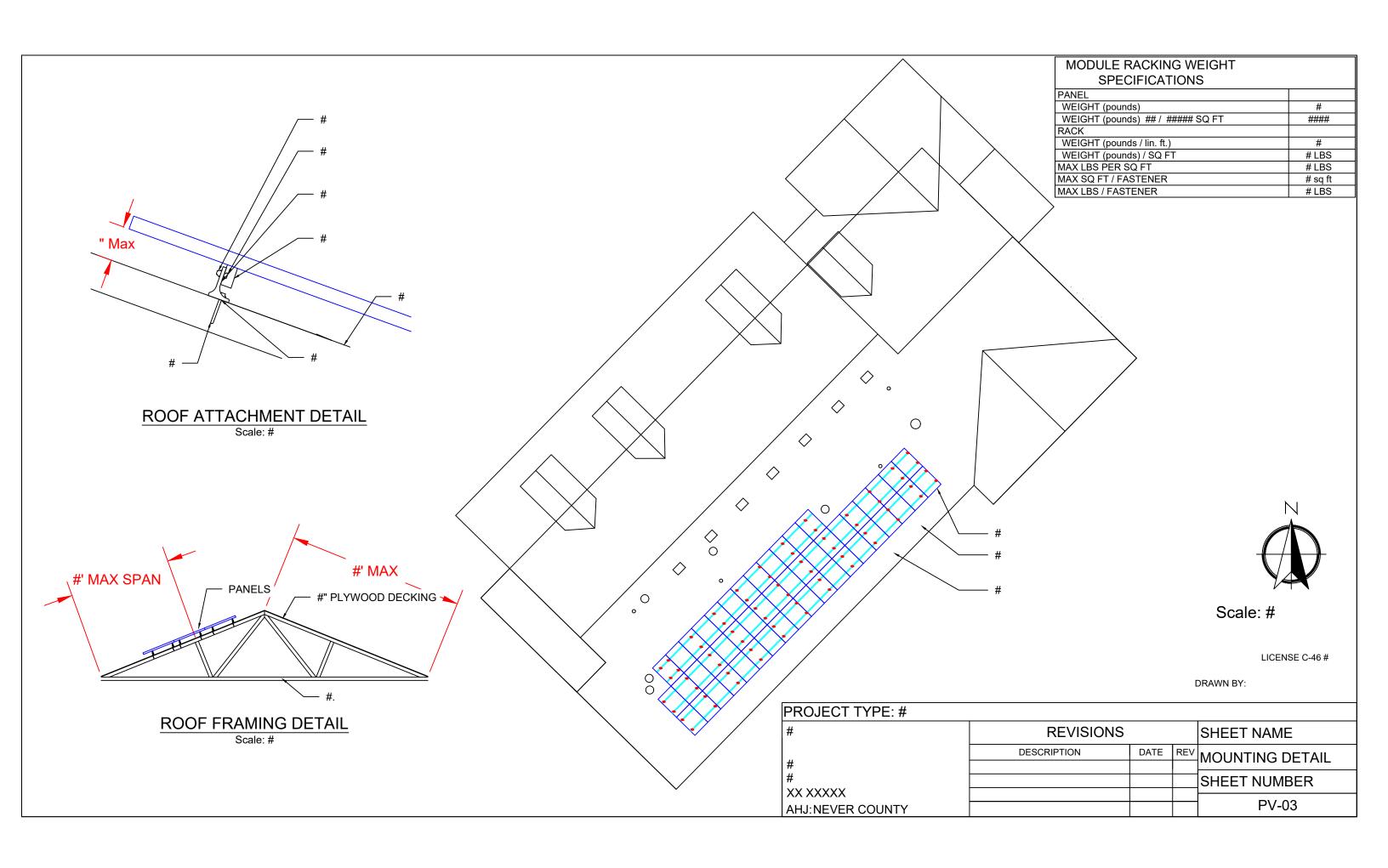
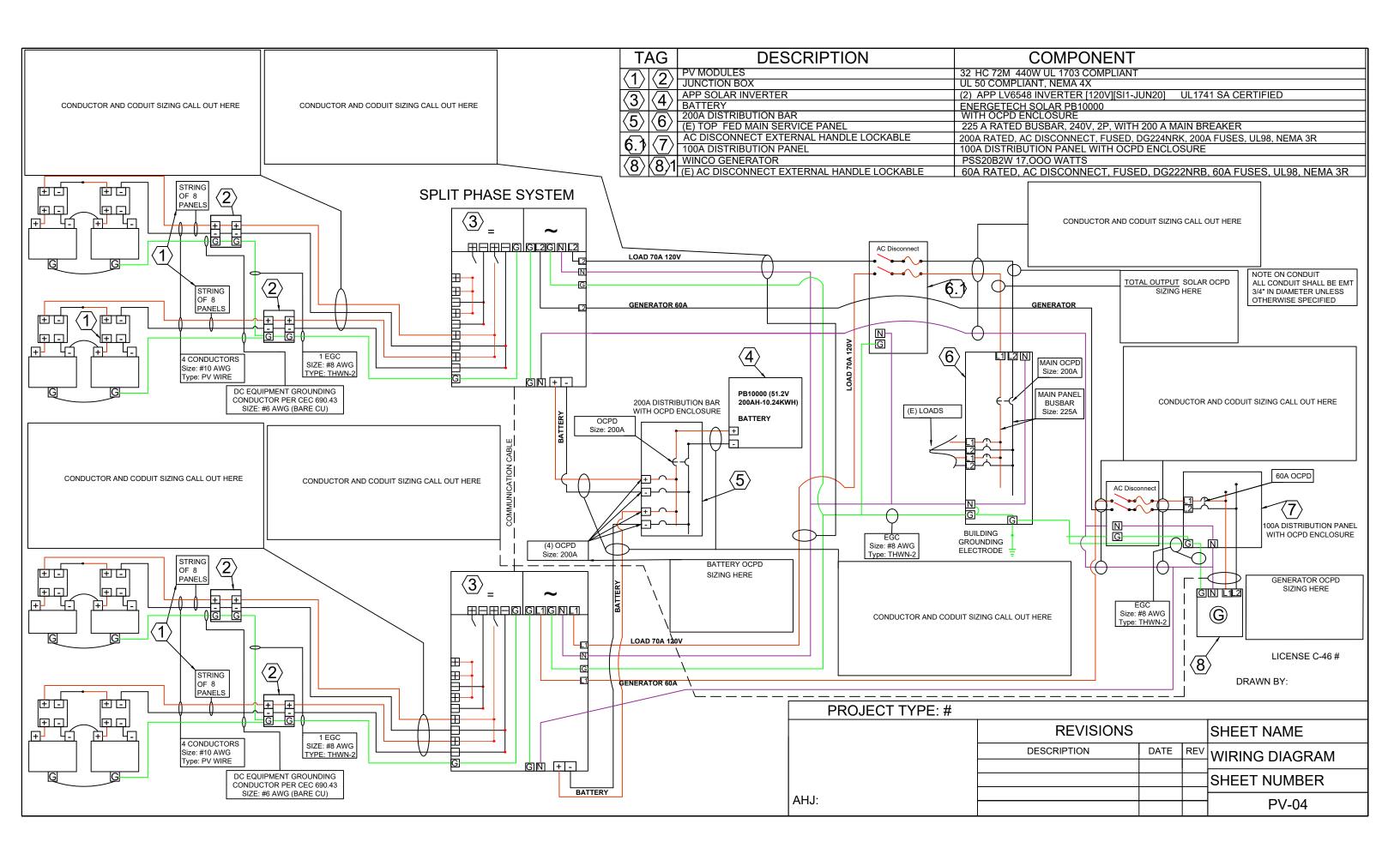
	CUEET INDEV	CONCEDUCTION NOTES				
	SHEET INDEX	CONSTRUCTION NOTES				
PV-01 TITLE SHEET		A LADDER SHALL BE IN PLACE FOR INSPECTION IN COMPLIANCE WITH CALIFORNIA OSHA REQUIREMENTS.				
PV-02 SITE PLAN		THE PV MODULES ARE CONSIDERED NON-COMBUSTIBLE AND THIS SYSTEM IS A UTILITY GRID INTERACTIVE SYSTEM.		DESIGNED BY:		
PV-03 MOUNTING DETAIL		A GROUNDING ELECTRODE SYSTEM IN ACCORDANCE WITH CEC 690.47, 250.50 THROUGH 60, AND 250.66 SHALL BE PROVIDED. PER CEC, GROUNDING ELECTRODE SYSTEM OF EXISTING BUILDING MAY BE USED AND BONDED TO AT THE SERVICE ENTRANCE. IF EXISTING SYSTEM IS INACCESSIBLE, OR INADEQUATE, OR IS ONLY METALLIC WATER PIPING, A SUPPLEMENTAL		YSOLAR PLANNIN LIC#	IG	
PV-04 WIRING DIAGRAM		GROUNDING ELECTRODE WILL BE USED AT THE INVERTER LOCATION CONSISTING OF A UL LISTED 8 FT GROUND ROD WITH ACORN CLAMP. GROUNDING ELECTRODE CONDUCTORS SHALL BE NO LESS THAN #6 AWG AND NO GREATER THAN #6 AWG COPPER AND BONDED TO THE EXISTING GROUNDING ELECTRODE TO PROVIDE OR A COMPLETE GROUND.		PREPARED FOR: #		
PV-05 LABELING		EACH MODULE WILL BE GROUNDED USING THE SUPPLIED GROUNDING POINTS IDENTIFIED BY THE MANUFACTURER.				
SYSTEM INFORMATION		EXPOSED NON-CURRENT CARRYING METAL PARTS OF MODULE FRAMES, EQUIPMENT, AND CONDUCTOR ENCLOSURES SHALL BE GROUNDED IN ACCORDANCE WITH CEC 250.134 OR 250.136(A) REGARDLESS OF VOLTAGE.				
SYSTEM SIZE # kW DC # kW AC		PROPER ACCESS AND WORKING CLEARANCE AROUND EXISTING AND PROPOSED ELECTRICAL EQUIPMENT WILL BE PROVIDED PER CEC 110.26.				
PV MODULES # #		ALL SIGNAGE WILL BE INSTALLED AS REQUIRED BY THE CEC.				
INVERTER	#	HEIGHT OF INTEGRATED AC/DC DISCONNECT SHALL NOT EXCEED 6' 7" PER CEC 240.24.				
BATTERY # #kWh		THE GROUNDING ELECTRODE CONDUCTOR SHALL BE PROTECTED FROM PHYSICAL DAMAGE BETWEEN THE GROUNDING ELECTRODE AND THE PANEL (OR INVERTER) IF SMALLER THAN #6 AWG COPPER WIRE	PROJECT INFORMATION			
RACKING	#	ALL EXTERIOR CONDUIT SHALL BE PAINTED TO MATCH ADJACENT SURFACES.		PROJECT TYPE: #		
MOUNTING	#	THE PV CONNECTION IN THE PANEL BOARD SHALL BE POSITIONED AT THE OPPOSITE (LOAD) END FROM THE INPUT FEEDER LOCATION OR MAIN CIRCUIT LOCATION PER CEC 705.12 (B)(2)(3)(B).	NAME:	#		
	SCOPE OF WORK	SITE CONDITIONS SHALL PREVAIL IF NO SCALE IS GIVEN. DRAWINGS ARE NOT NECESSARILY TO SCALE. ALL DIMENSIONS SHALL BE VERIFIED BY SUBCONTRACTOR UPON	ADDRESS:	#		-+
	NSISTS OF (#) # PV MODULES, #, (#) # OPTIMIZERS		CITY:	#		
	CTRICAL METERING (IF USED) AND SAFETY COMPONENTS UL LISTED, WHERE APPLICABLE. ALL	PER THE CA RESIDENTIAL CODE (CRC) § R314 & R315, 10 YEAR BATTERY CARBON MONOXIDE AND SMOKE ALARMS SHALL BE INSTALLED IN EACH SLEEPING AREA AND HALLWAYS LEADING TO SLEEPING AREAS.	STATE, ZIP:	XX XXXXX		
EQUIPMENT WILL B	E INSTALLED AS REQUIRED BY APPLICABLE CODES	AGREEMENT		NEVER COUNTY		
AND LOCAL UTILITY MAIN PANEL UPGRA	Y COMPANY REQUIREMENTS. ADE∙ N∆	THE LICENSE GRANTED BY THE DESIGN ENGINEER PERMITS THE OWNER, BUILDER OR ARCHITECT, CONTRACTOR, OR		#		
MAIN PANEL DE-RATED: #		SUBCONTRACTORS TO REPRODUCE APPLICABLE PORTIONS OF THE INSTRUMENTS OF SERVICE (THE PV DRAWINGS) EXCLUSIVELY		MONOPOLY MONEY	,	-
		AND SOLELY FOR THE USE IN PERFORMING SERVICES OR CONSTRUCTION FOR THIS PROJECT WHICH IS SPECIFIC TO A PARCEL.	DRAWN BY: #			
EVIOTIN	NO DUM DINO INFORMATION	THE OWNER, BUILDER, SUB, TO THE EXTENT PERMITTED BY LAW, AGREES TO INDEMNIFY AND HOLD HARMLESS THE DESIGN ENGINEER RELATED TO CLAIMS ARISING ANY THIRD PARTY ENTITY FROM THE USE OF THE INSTRUMENTS OF SERVICE, AND SHALL NOT ASSIGN OR	SIGNATURE:			
	NG BUILDING INFORMATION	DELEGATE, SUB-LICENSE OR TRANSFER THIS LICENSE GRANTED HERE-IN TO ANOTHER ENTITY OR PROJECT DEVIATING FROM THE	DATE: 8/21/23			
ROOF FRAMING: #	RESIDENTIAL OCCUPIED BUILDING 2-STORY	PARCEL SPECIFIC PROJECT PERMIT WITHOUT WRITTEN AGREEMENT AND TERMS FOR ADDITIONAL COMPENSATION FOR THE REPLICATION OF DESIGN WORK. 'ANY ADDITIONAL DESIGN CHANGE TO THIS DOCUMENT WILL BE SUBJECT TO CHARGES.		REVISIONS		
ROOF TYPE: #			DESCRIPTION DATE REV			
		VICINITY MAP		OI (II TIOIV	DATE	
	APPLICABLE CODES		AHUSIGN	NATURE AI		\ \
	BUILDING CODE (CBC)		A 10 Olor	ATORE A	אט טר	`''
	RESIDENTIAL CODE (CRC) ELECTRICAL CODE (CEC)					
	ENERGY STANDARDS					
2022 CALIFORNIA I	FIRE CODE GREEN BUILDING STANDARDS CODE					
LEGEND		19360 S SAINT JOHN AVE	SHEET TITLE			
(M) METER	CHIMINET	CHIMNEY /		TITLE SHEET		
• SWITCH	H AC AIR CONDITIONER					1
BREAKER INVERTER			SHEET NUMBER			
← FUSE	⊈ GROUND			PV-01		
	- 313311					







SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUTDOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN ARRAY



LABEL 1

AT RAPID SHUTDOWN SYSTEM [CEC 690.56(C)(1)(A)]

A WARNING

ELECTRIC SHOCK HAZARD FERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

LABEL 2

AT EACH AC DISCONNECTING MEANS [CEC 690.13(B)]

PHOTOVOLTAIC AC DISCONNECT

RATED AC OUTPUT CURRENT: 52.08A NOMINAL OPERATING AC VOLTAGE: 240V

LABEL 3

AT EACH AC DISCONNECTING MEANS [CEC 690.13(B) AND 690.54]

A WARNING

TRI POWER SOURCES

SECOND SOURCE IS PHOTOVOLTAIC SYSTEM

LABEL 4

AT LOAD CENTER & MAIN SERVICE PANEL [CEC 705.12(B)(3)]

- 1. LABELING REQUIREMENTS BASED ON THE CALIFORNIA ELECTRICAL CODE, INTERNATIONAL FIRE CODE 605.11, OSHA STANDARD 1910.145, CCR TITLE 8 §3340, ANSI
- 2. MATERIAL BASED ON THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. 3. LABELS TO BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT
- 4. LABELS TO BE A MINIMUM LETTER HEIGHT OF 3/8" AND PERMANENTLY AFFIXED.
- 5. ALERTING WORDS TO BE COLOR CODED. "DANGER" WILL HAVE RED BACKGROUND: "WARNING" WILL HAVE ORANGE BACKGROUND; "CAUTION" WILL HAVE YELLOW BACKGROUND.[ANSI Z535.4-2011]

A CAUTION

PHOTOVOLTAIC SYSTEM CIRCUIT IS BACKFED

LABEL 5

LABEL 6

AT MAIN SERVICE PANEL, PULL BOXES [NEC 705.12(B)(3)]

LABELING

LETTERING TO BE AT LEAST %" WHITE ON RED BACKGROUND; REFLECTIVE, UV RESISTANT STICKERS. [CEC 690.31(G)(4)]

SOLAR ONLY LOAD CENTER

DO NOT ADD LOADS

APPLY TO: SOLAR LOAD CENTER

NO BRANCH CIRCUIT LOADS **LARGER THAN 30A TO BE INSTALLED IN THIS SUB PANEL**

APPLY TO:

BACKUP SUB PANEL

A WARNING

CEILINGS, OR FLOORS. [CEC 690.31(G)(3)]

POWER SOURCE OUTPUT CONNECTION - DO NOT RELOCATE THIS OVERCURRENT DEVICE

LABEL 7

AT POINT OF INTERCONNECTION OVERCURRENT DEVICE [CEC 705.12(B)(2)(3)(B)]

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

WARNING: PHOTOVOLTAIC

POWER SOURCE

AT EXPOSED RACEWAYS, CABLE TRAYS, AND OTHER WIRING

METHODS; SPACED AT MAXIMUM 10FT SECTION OR WHERE

SEPARATED BY ENCLOSURES, WALLS, PARTITIONS,

LABEL 8

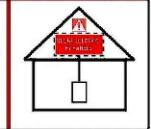
AT RAPID SHUTDOWN SWITCH [CEC 690.56(C)(3)]

DIRECTORY

A PERMANENT PLAQUE OR DIRECTORY PROVIDING THE LOCATION OF ALL ELECTRIC POWER SOURCE DISCONNECTING MEANS SHALL BE PROVIDED AT EACH SERVICE EQUIPMENT LOCATION AND PV SYSTEM DISCONNECTING MEANS IN ACCORDANCE WITH CEC 705.10. PV SYSTEM EQUIPMENT AND

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION, TO SHUTDOWN CONDUCTORS OUTSIDE THE ARRAY. CONDUCTORS WITHIN ARRAY REMAIN **ENERGIZED IN SUNLIGHT**



AT RAPID SHUTDOWN SYSTEM [CEC 690.56(C)(1)(B)]

ENERGY STORAGE SYSTEM DISCONNECT

NOMINAL VOLTAGE: 240 VAC MAX AVAILABLE ISC: 32 AAC **ISC CLEAR TIME:** 67 MS DATE:

REQ'D BY CEC 706.7(D) APPLY TO: BATTERY

CAUTION

MAIN BREAKER HAS BEEN DERATED FOR SOLAR SYSTEM REPLACEMENT MUST BE SAME RATING/SIZE

SOLAR ONLY LOAD CENTER DO NOT ADD LOADS

APPLY TO: COMBINER BOX

"CAUTION"

MULTIPE SOURCES OF POWER

LABEL 8

A PERMANENT PLAQUE OR DIRECTORY SHALL BE INSTALLED AT EACH SERVICE EQUIPMENT LOCATION, OR AT AN APPROVED READILY VISIBLE LOCATION. THE PLAQUE OR DIRECTORY SHALL DENOTE THE LOCATION OF EACH POWER SOURCE DISCONNECTING MEANS FOR THE BUILDING OR STRUCTURE AND BE GROUPED WITH OTHER PLAQUES OR DIRECTORIES FOR OTHER ON-SITE SOURCES. [CEC 705.10]

WARNING DC PHOTOVOLTAIC POWER SOURCE

RATED MPP VOLTAGE = # VDC MAX SYSTEM VOLTAGE = # VDC RATED MPP CURRENT = # AMPS SHORT CIRCUIT CURRENT = # AMPS

LICENSE C-46 #

DRAWN BY:

PROJECT TYPE: #									
#	REVISIONS			SHEET NAME					
<u>"</u>	DESCRIPTION	DATE	REV	LABELING					
#									
#				SHEET NUMBER					
XX XXXXX									
AHJ:NEVER COUNTY				PV-05					

CAUTION

POWER TO THIS BUILDING IS ALSO SUPPLIED FROM THE FOLLOWING SOURCE(S) WITH DISCONNECTS LOCATED AS SHOWN.

