

NEW SOLAR PHOTOVOLTAIC ROOFTOP SYSTEM - ABC PROJECT

SYSTEM SIZE: 1160.50 kW - DC, 960 kW - AC
123 E MAIN ST, PETALUMA, CA 94954, USA

EPC CONTRACTOR

YOUR LOGO

PROFESSIONAL ENGINEERING



SIGNATURE WITH SEAL

ELECTRICAL ONLY
DATE:10/30/2024

PROJECT INFORMATION

ABC PROJECT
SOLAR PV SYSTEM
1166.55 kW DC
1055.28 kW CEC-AC
960 kW AC

123 E MAIN ST,
PETALUMA,
CA 94954, USA

REVISIONS

DESCRIPTION	DATE	REV
IFC SET	10/30/2024	0

SHEET SIZE
22" X 34"

SHEET NAME
TITLE SHEET

SHEET NUMBER
G-1.0

APPLICABLE CODES & STANDARDS

- 2020 NATIONAL ELECTRIC CODE (NEC)
- 2022 CALIFORNIA RESIDENCE CODE (CRC).
- 2022 CALIFORNIA BUILDING CODE (CBC).
- 2022 CALIFORNIA ELECTRICAL CODE (CEC).
- 2022 CALIFORNIA GREEN BUILDING CODE (CGBC).
- BUILDING STANDARDS CODE AS APPLICABLE AND AS AMENDED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- LOCAL ELECTRICAL NEWS LETTERS, ORDINANCES AND POLICIES.

INTERCONNECTION SCOPE

THE PV SYSTEM, CONSISTING OF (08) SOLAR EDGE 120KW, INVERTERS, WILL BE COMBINED AND CONNECTED THROUGH PV DISCONNECT TO LINE SIDE OF EXISTING 480/277V/3P/4W SECONDARY SERVICE METER IN UTILITY INCOMING SECTION FED BY EXISTING UTILITY TRANSFORMER.

SHEET INDEX DETAILS

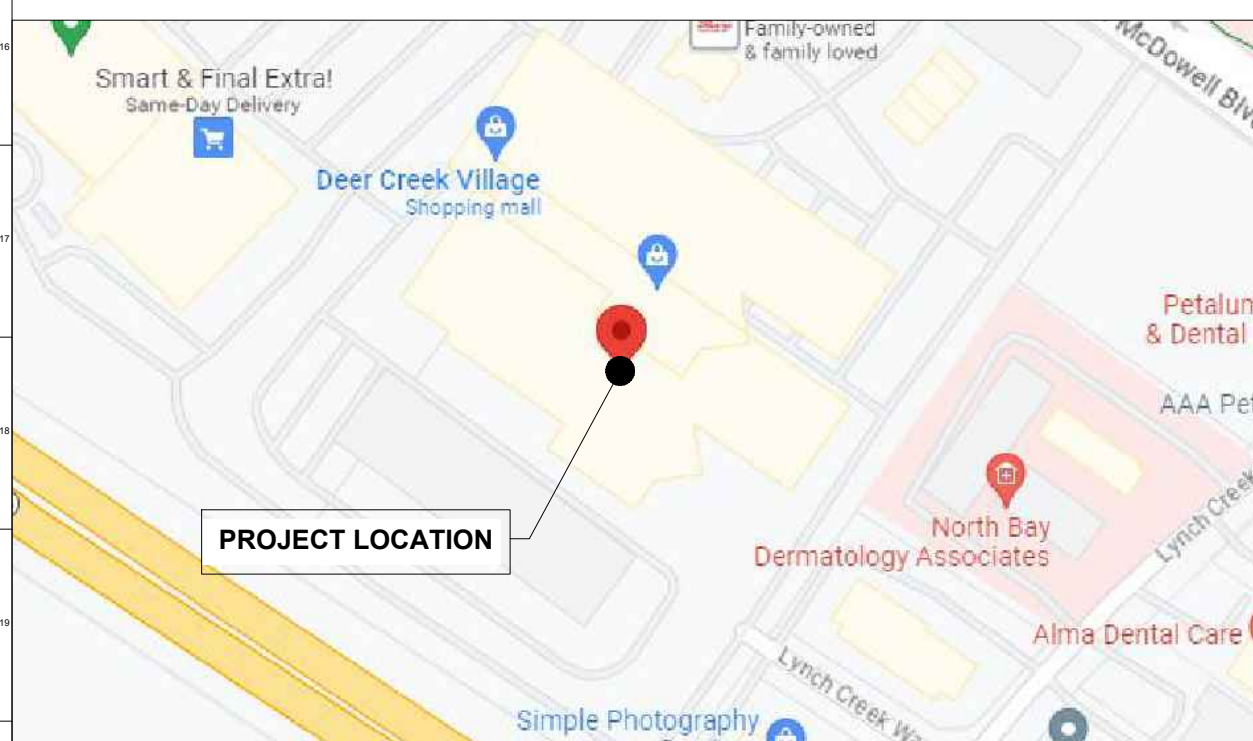
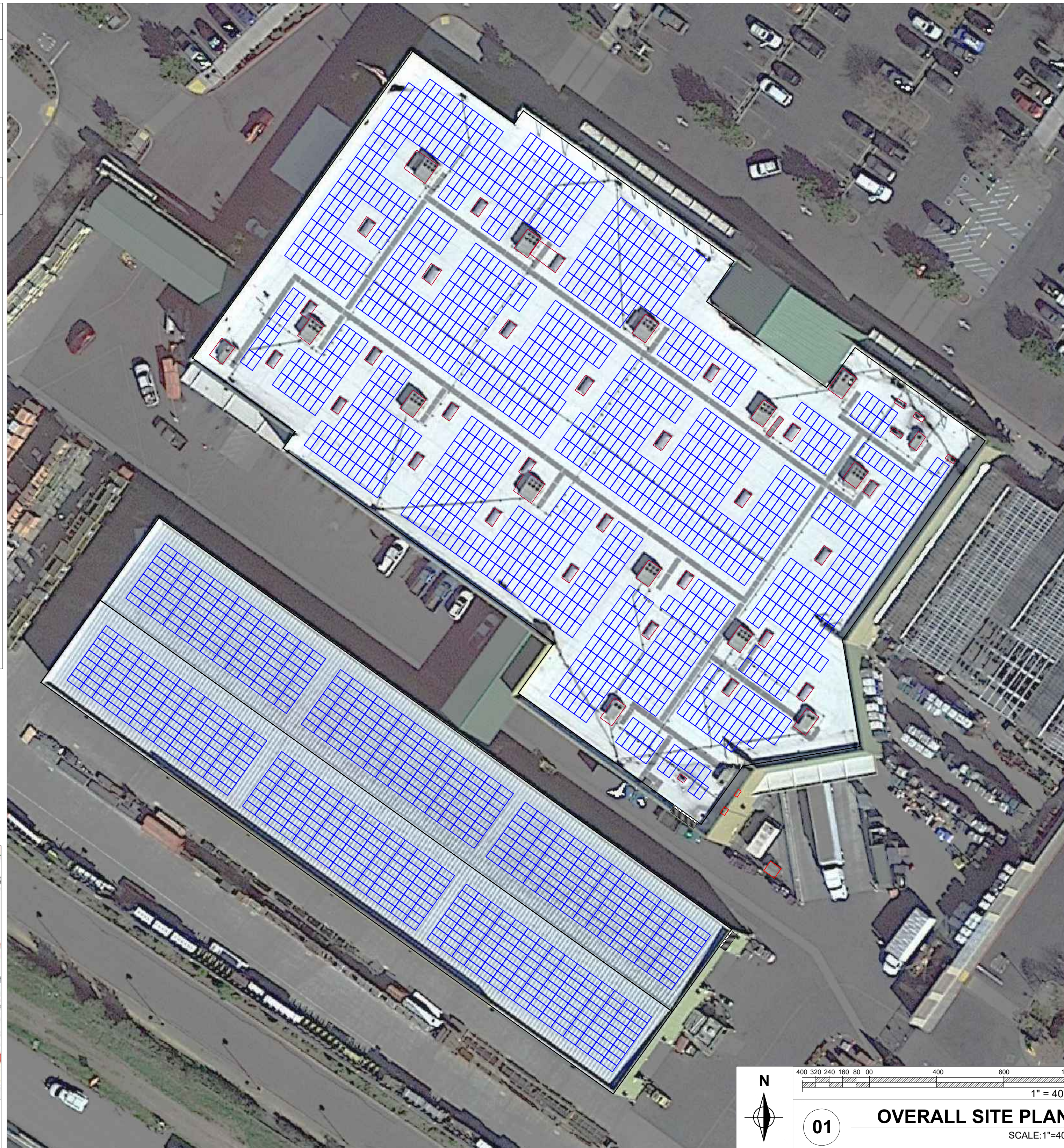
SHEET NO	SHEET DETAILS	REVISION NO
G-1.0	TITLE SHEET	0
G-1.1	GENERAL & ELECTRICAL NOTES	0
E-1.0	SITE PLAN	0
E-1.1	ARRAY LAYOUT	0
E-1.2	FIRE ACCESS PLAN	0
E-1.3	STRINGING PLAN - 01	0
E-1.4	STRINGING PLAN - 02	0
E-1.5	STRINGING PLAN - 03	0
E-2.0	AC SINGLE LINE DRAWING	0
E-2.1	DC SINGLE LINE DRAWING	0
E-3.0	INSTALLATION DETAILS	0
E-3.1	INSTALLATION DETAILS	0
E-3.2	GROUNDING DETAILS	0
E-3.3	EQUIPMENT ELEVATION DETAIL-01	0
E-3.4	EQUIPMENT ELEVATION DETAIL-02	0
E-3.5	COMMUNICATION DETAILS	0
E-4.0	PLACARDS & DETAILS	0
E-5.0	DATA SPECIFICATIONS	0
E-5.1	DATA SPECIFICATIONS	0
E-5.2	DATA SPECIFICATIONS	0

PROJECT SUMMARY

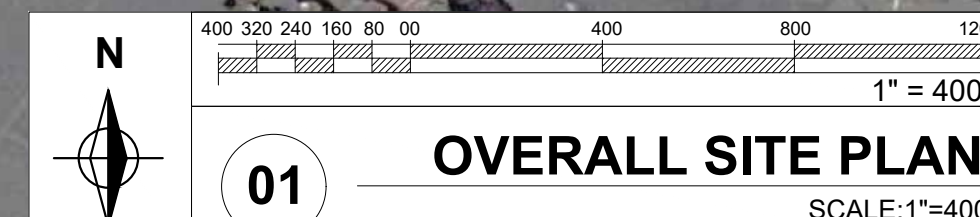
SITE ADDRESS : 123 E MAIN ST, PETALUMA, CA 94954, USA
GPS COORDINATES : 38.252704,-122.6386214
UTILITY NAME : PACIFIC GAS AND ELECTRIC
CONTRACTOR NAME : YOUR COMPANY

SITE PARAMETERS & SYSTEM DETAILS

DC OUTPUT POWER : 1160.50 kW
AC OUTPUT POWER : 960 kW
CEC AC RATING : 1055.28 kW
DC/ AC RATIO : 1.20
PV MODULES : (2110) ZNSHINE ZX7-SHLDD144-550
POWER OPTIMIZERS : (1070) SOLAR EDGE S1201
PV INVERTERS : (08) SOLAREEDGE SE120KUS
RACKING : MG SOLAR & IRONRIDGE
MODULE TILT : VARIES
AZIMUTH : VARIES
SYSTEM INTX VOLTAGE : 480/277V
MAXIMUM DC VOLTAGE : 1000V
ASHRAE MAX TEMPERATURE : 35.6°C
ASHRAE MIN TEMPERATURE : -0.6°C



VICINITY MAP
SCALE:NTS



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