

NEW SOLAR PHOTOVOLTAIC CARPORT SYSTEM - ABC PROJECT

SYSTEM SIZE: 343.20 kW - DC, 267.3 kW - AC

123 E MAIN ST, FOSTER CITY, CA 94404, USA

EPC CONTRACTOR

YOUR LOGO

PROFESSIONAL ENGINEERING



SIGNATURE WITH SEAL

ELECTRICAL ONLY
DATE:11/09/2024

PROJECT INFORMATION

**ABC PROJECT
SOLAR PV SYSTEM
343.20 kW DC
312.08 kW CEC-AC
267.3 kW AC**

**123 E MAIN ST,
FOSTER CITY,
CA 94404, USA**

REVISIONS

DESCRIPTION	DATE	REV
PERMIT SET	11/09/2024	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 (05) SOLAR EDGE 50kW & (01) SOLAR EDGE 17.3kW INVERTERS, WILL BE COMBINED AND CONNECTED THROUGH A PV DISCONNECT TO THE LINE SIDE OF THE EXISTING 208/120V/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	STRINGING PLAN	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	GROUNDING DETAILS	0
E-3.2	COMMUNICATION DETAILS	0
E-3.3	EQUIPMENT ELEVATION DETAIL	0
E-4.0	PLACARDS & DETAILS	0
E-5.0	DATA SPECIFICATIONS	0
E-5.1	DATA SPECIFICATIONS	0

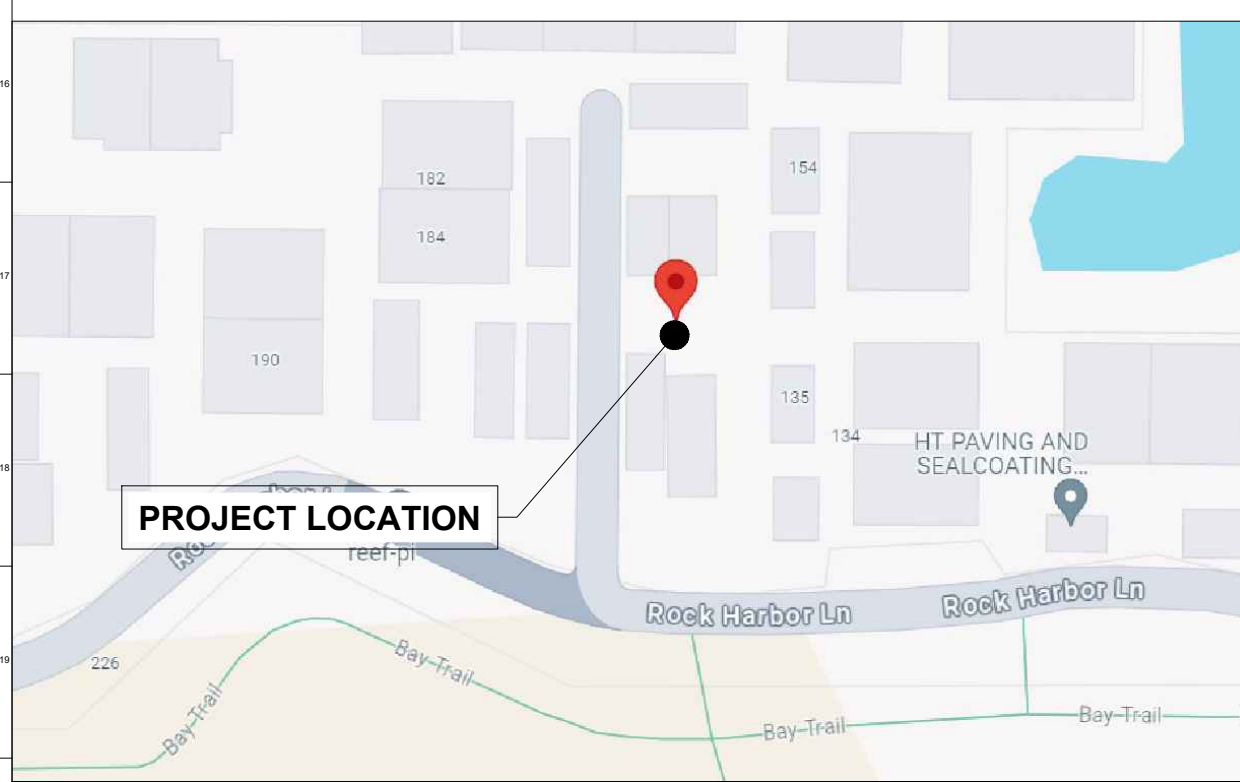


PROJECT SUMMARY

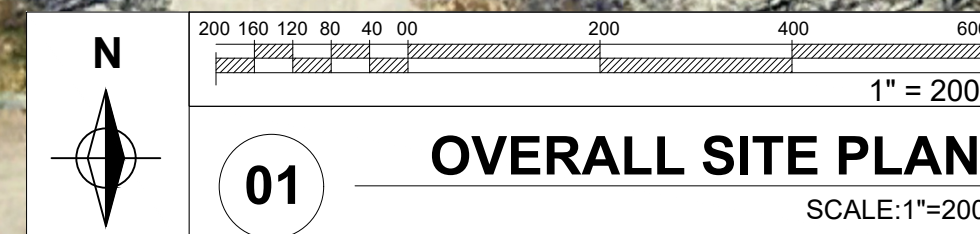
SITE ADDRESS : 123 E MAIN ST, FOSTER CITY, CA 94404, USA
 GPS COORDINATES : 46.895478, -186.123456
 TYPE OF CONSTRUCTION : II
 UTILITY NAME : PACIFIC GAS & ELECTRIC
 EPC CONTRACTOR : YOUR NAME

SITE PARAMETERS & SYSTEM DETAILS

DC OUTPUT POWER : 343.20 kW
 AC OUTPUT POWER : 267.3 kW
 CEC-AC RATING : 312.08 kW
 DC/ AC RATIO : 1.28
 PV MODULES : (624) ZNSHINE SOLAR ZXM7-SHLDD144 550W
 POWER OPTIMIZERS : (326) SOLAREEDGE S1201
 PV INVERTERS : (05) SOLAREEDGE SE50KUS & (01) SOLAREEDGE SE17.3KUS
 RACKING : ORION CARPORT
 SYSTEM INTX VOLTAGE : 208/120V -3 PHASE
 MAXIMUM DC VOLTAGE : 600V
 ASHRAE MAX TEMPERATURE : 33.5°C
 ASHRAE MIN TEMPERATURE : 1.4°C



VICINITY MAP
SCALE:1"=75"



01 OVERALL SITE PLAN
SCALE:1"=200"

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