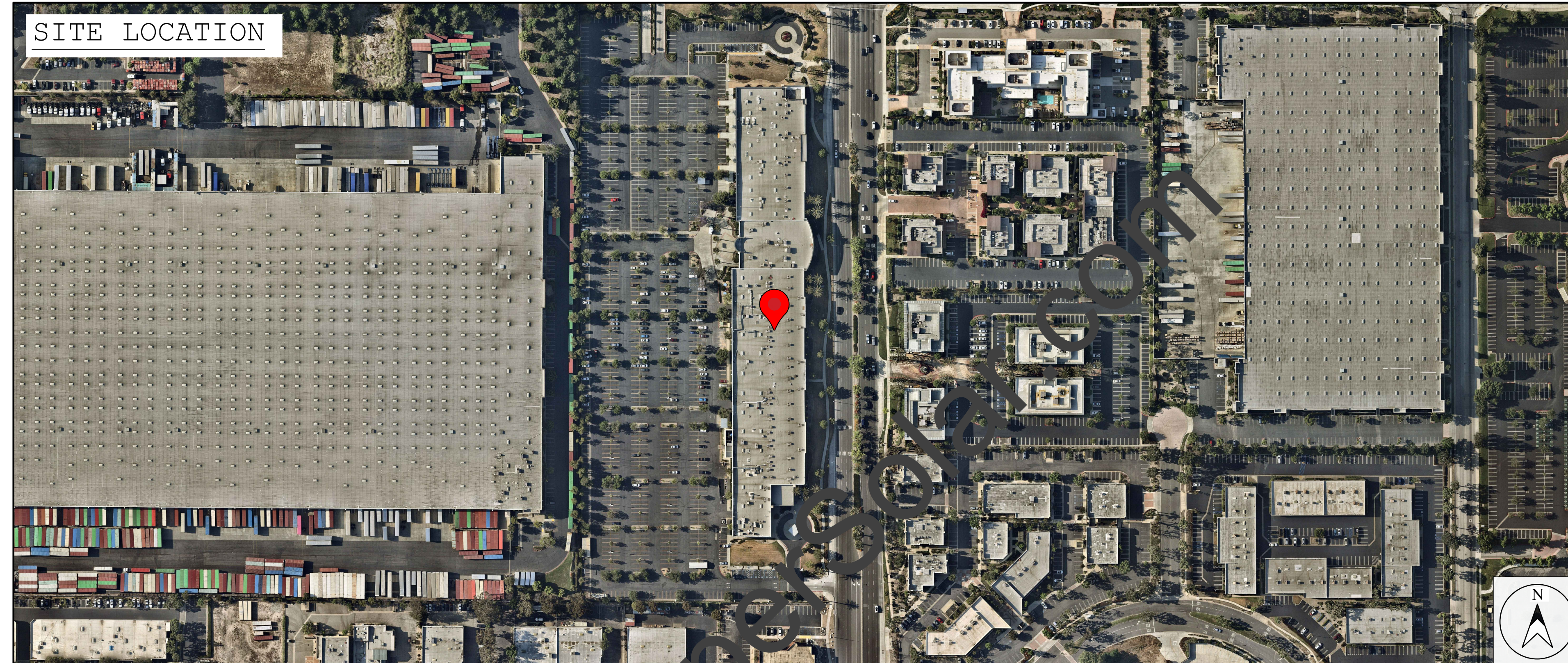


W.P. CAREY - RANCHO CUCAMONGA, CALIFORNIA

9494 HAVEN AVE, RANCHO CUCAMONGA, CALIFORNIA 91730



SCOPE OF WORK SUMMARY:

- THE SOLAR SYSTEM WILL BE INSTALLED AT THE ROOFTOP AREA OF W.P. CAREY - RANCHO CUCAMONGA FACILITY.
- INSTALL INVERTERS AND ELECTRICAL DISTRIBUTION EQUIPMENT.
- INTERCONNECT AT EXISTING ELECTRICAL EQUIPMENT.

UTILITY:

SOUTHERN CALIFORNIA EDISON (SCE)

APPLICABLE CODES:

- 2022 CALIFORNIA ELECTRIC CODE
- 2022 CALIFORNIA BUILDING CODE
- 2022 CALIFORNIA FIRE CODE

SYSTEM SUMMARY:

SOLAR ROOFTOP SYSTEM	
ROOFTOP DC SYSTEM SIZE	733.5 KW
ROOFTOP AC SYSTEM SIZE	680.0 KW
MODULE DETAILS	
MODULE MANUFACTURER	CANADIAN SOLAR
MODULE MODEL & WATTAGE	CSI SOLAR CO., LTD., CS6W-530MB-AG (530 W)
MODULE PER STRING	25, 26, 27 & 28
# MODULE	1,384
# STRING	51
MODULE TILT	10°
MODULE AZIMUTH	180°
INVERTER DETAILS	
INVERTER MANUFACTURER	SOLAREEDGE
INVERTER MODEL 1	SE 120KUS (5)
INVERTER MODEL 2	SE 80KUS (1)
OPTIMIZERS MODEL	S1201 (SOLAREEDGE)

SHEET INDEX:

C-1.0	COVER SHEET
E-1.0	SITE PLAN
E-2.0	SINGLE LINE DIAGRAM

PROJECT NAME AND ADDRESS

W.P. CAREY - RANCHO CUCAMONGA,

SYSTEM SUMMARY

DC SYSTEM SIZE: 733.5 KW
AC SYSTEM SIZE: 680.0 KW
MODULE TYPE:CS6W-530MB-AG
MODULE QUANTITY: 1,384
INVERTER TYPE:SE 120KUS & 80KUS
INVERTER QUANTITY:6
TILT:10°
AZIMUTH:180°

DATE	DESCRIPTION	REV
3/20/2023	ISSUE FOR INTERCONNECTION	0
7/25/2023	UTILITY COMMENTS	1
8/24/2023	CARPORT REMOVED, ROOF CAPACITY INCREASED	2

DEVELOPER

PROFESSIONAL ENGINEER



ISSUED FOR INTERCONNECTION APPLICATION,
NOT FOR CONSTRUCTION

P.E. SIGN & SEAL



AMPER JOB

1653-CA

DATE

8/24/2023

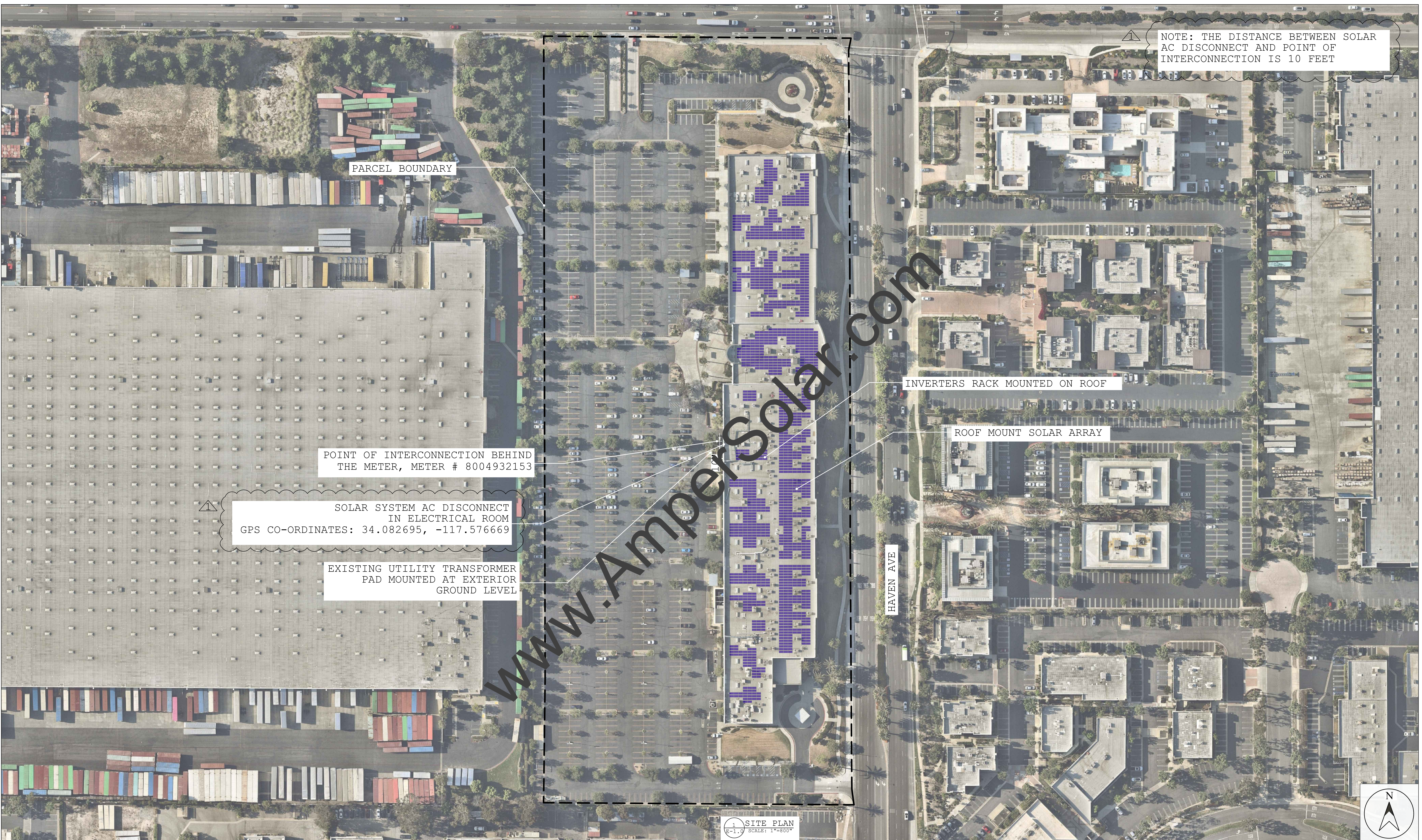
PROJECT COORDINATOR

SHEET NAME

COVER SHEET

SHEET NUMBER

C-1.0



NOTE: THE DISTANCE BETWEEN SOLAR AC DISCONNECT AND POINT OF INTERCONNECTION IS 10 FEET

PARCEL BOUNDARY

POINT OF INTERCONNECTION BEHIND THE METER, METER # 8004932153

SOLAR SYSTEM AC DISCONNECT IN ELECTRICAL ROOM
GPS CO-ORDINATES: 34.082695, -117.576669

EXISTING UTILITY TRANSFORMER PAD MOUNTED AT EXTERIOR GROUND LEVEL

INVERTERS RACK MOUNTED ON ROOF

ROOF MOUNT SOLAR ARRAY

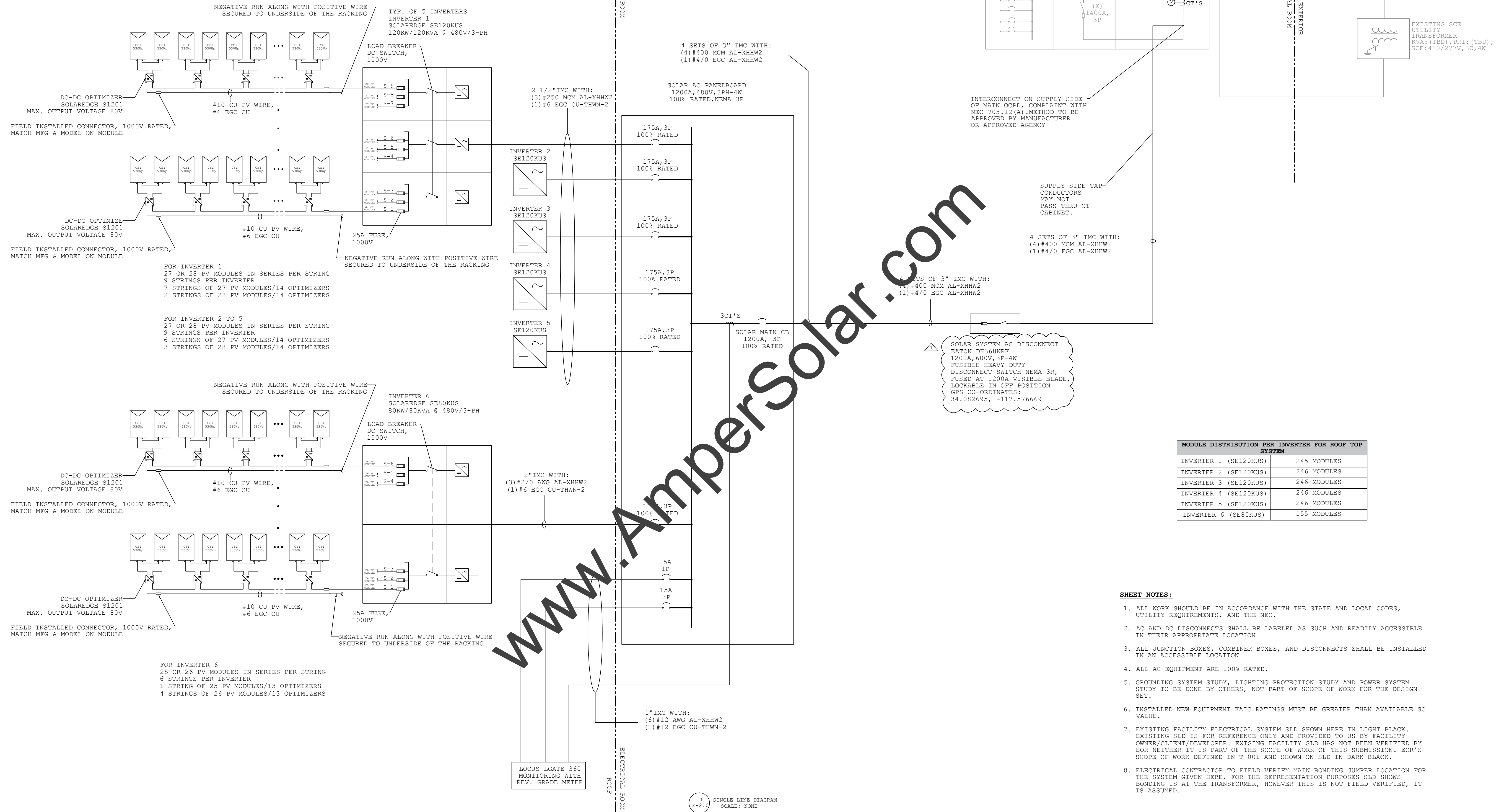
HAVEN AVE

1 SITE PLAN
E-1.0 SCALE: 1"=800'



<p>PROJECT NAME AND ADDRESS W.P. CAREY - RANCHO CUCAMONGA,</p>	<p>SYSTEM SUMMARY DC SYSTEM SIZE: 733.5 KW AC SYSTEM SIZE: 680.0 KW MODULE TYPE: CS6W-530MB-AG MODULE QUANTITY: 1,384 INVERTER TYPE: SE 120KUS & 80KUS INVERTER QUANTITY: 6 TILT: 10° AZIMUTH: 180°</p>	<table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>REV</th> </tr> </thead> <tbody> <tr> <td>3/20/2023</td> <td>ISSUE FOR INTERCONNECTION</td> <td>0</td> </tr> <tr> <td>7/25/2023</td> <td>UTILITY COMMENTS</td> <td>1</td> </tr> <tr> <td>8/24/2023</td> <td>CARPORT REMOVED, ROOF CAPACITY INCREASED</td> <td>2</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	DATE	DESCRIPTION	REV	3/20/2023	ISSUE FOR INTERCONNECTION	0	7/25/2023	UTILITY COMMENTS	1	8/24/2023	CARPORT REMOVED, ROOF CAPACITY INCREASED	2							<p>DEVELOPER</p>	<p>PROFESSIONAL ENGINEER DURAK EVRIM ERCAN P.E. ENGINEERING CONSULTING ESTIMATING 201-920-2899 info@AmperEngineering.com ISSUED FOR INTERCONNECTION APPLICATION, NOT FOR CONSTRUCTION</p>	<p>P.E. SIGN & SEAL</p>	<p>AMPER JOB 1653-CA</p> <p>DATE 8/24/2023</p>	<p>PROJECT COORDINATOR</p>	<p>SHEET NAME SITE PLAN</p> <p>SHEET NUMBER E-1.0</p>
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NOTE: SOLAREEDGE 120KUS, 80KUS AND OPTIMIZER S1201 ARE COMPLIANT WITH CEC 2022 RAPID SHUTDOWN SYSTEM REQUIREMENT.



MODULE DISTRIBUTION PER INVERTER FOR ROOF TOP SYSTEM	
INVERTER 1 (SE120KUS)	245 MODULES
INVERTER 2 (SE120KUS)	246 MODULES
INVERTER 3 (SE120KUS)	246 MODULES
INVERTER 4 (SE120KUS)	246 MODULES
INVERTER 5 (SE120KUS)	246 MODULES
INVERTER 6 (SE80KUS)	155 MODULES

- SHEET NOTES:**
- ALL WORK SHOULD BE IN ACCORDANCE WITH THE STATE AND LOCAL CODES, UTILITY REQUIREMENTS, AND THE NEC.
 - AC AND DC DISCONNECTS SHALL BE LABELED AS SUCH AND READILY ACCESSIBLE IN THEIR APPROPRIATE LOCATION
 - ALL JUNCTION BOXES, COMBINER BOXES, AND DISCONNECTS SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION
 - ALL AC EQUIPMENT ARE 100% RATED.
 - GROUNDING SYSTEM STUDY, LIGHTING PROTECTION STUDY AND POWER SYSTEM STUDY TO BE DONE BY OTHERS, NOT PART OF SCOPE OF WORK FOR THE DESIGN SET.
 - INSTALLED NEW EQUIPMENT KAIC RATINGS MUST BE GREATER THAN AVAILABLE SC VALUE.
 - EXISTING FACILITY ELECTRICAL SYSTEM SLD SHOWN HERE IN LIGHT BLACK. EXISTING SLD IS FOR REFERENCE ONLY AND PROVIDED TO US BY FACILITY OWNER/CLIENT/DEVELOPER. EXISTING FACILITY SLD HAS NOT BEEN VERIFIED BY EOR NEITHER IT IS PART OF THE SCOPE OF WORK OF THIS SUBMISSION. EOR'S SCOPE OF WORK DEFINED IN T-001 AND SHOWN ON SLD IN DARK BLACK.
 - ELECTRICAL CONTRACTOR TO FIELD VERIFY MAIN BONDING JUMPER LOCATION FOR THE SYSTEM GIVEN HERE. FOR THE REPRESENTATION PURPOSES SLD SHOWS BONDING IS AT THE TRANSFORMER, HOWEVER THIS IS NOT FIELD VERIFIED, IT IS ASSUMED.

1 SINGLE LINE DIAGRAM
SCALE: NONE

<p>PROJECT NAME AND ADDRESS</p> <p>W.P. CAREY - RANCHO CUCAMONGA,</p>	<p>SYSTEM SUMMARY</p> <p>DC SYSTEM SIZE: 733.5 KW AC SYSTEM SIZE: 680.0 KW MODULE TYPE: CS6W-530MB-AG MODULE QUANTITY: 1,384 INVERTER TYPE: SE 120KUS & 80KUS INVERTER QUANTITY: 6 TILT: 10° AZIMUTH: 180°</p>	<table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>REV</th> </tr> </thead> <tbody> <tr> <td>3/20/2023</td> <td>ISSUE FOR INTERCONNECTION</td> <td>0</td> </tr> <tr> <td>7/25/2023</td> <td>UTILITY COMMENTS</td> <td>1</td> </tr> <tr> <td>8/24/2023</td> <td>CARPORIT REMOVED, ROOF CAPACITY INCREASED</td> <td>2</td> </tr> </tbody> </table>	DATE	DESCRIPTION	REV	3/20/2023	ISSUE FOR INTERCONNECTION	0	7/25/2023	UTILITY COMMENTS	1	8/24/2023	CARPORIT REMOVED, ROOF CAPACITY INCREASED	2	<p>DEVELOPER</p>	<p>PROFESSIONAL ENGINEER</p> <p>DURAK EVRIM ERCAN P.E. ENGINEERING CONSULTING ESTIMATING 201-920-2899 info@AmperEngineering.com</p> <p>ISSUED FOR INTERCONNECTION APPLICATION, NOT FOR CONSTRUCTION</p>	<p>P.E. SIGN & SEAL</p>	<p>AMPER JOB</p> <p>1653-CA</p> <p>DATE</p> <p>8/24/2023</p>	<p>PROJECT COORDINATOR</p>	<p>SHEET NAME</p> <p>SINGLE LINE DIAGRAM</p> <p>SHEET NUMBER</p> <p>E-2.0</p>
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