Exhibit B

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EXHIBIT B
DRAFT RESOLUTION

Before the Zoning Administrator in and for the County of Monterey, State of California

In the matter of the application of:
MFJK PARTNERSHIP (PLN180115)
RESOLUTION NO. ----
Resolution by the Monterey County Zoning Administrator:

1) Finding the project is accessory to the agricultural use of the property which qualifies as a Class "3" Categorical Exemption pursuant to Section 15303(e) of the CEQA Guidelines and there are no exceptions pursuant to Section 15300.2; and
2) Approving a Combined Development Permit consisting of:
    a. Coastal Development Permit to establish an agricultural support facility consisting of a ground mount photovoltaic system and
    b. Coastal Administrative Permit to allow development within 750-feet of a known archaeological resource.

[PLN180115, MFJK Partnership, 2250 Highway 1, Moss Landing, North County Land Use Plan (APN: 413-011-029-000)]

The Combined Development Permit application (PLN180115) came on for public hearing before the Monterey County Zoning Administrator on August 9, 2018. Having considered all the written and documentary evidence, the administrative record, the staff report, oral testimony, and other evidence presented, the Zoning Administrator finds and decides as follows:

FINDINGS AND EVIDENCE

1. **FINDING:** **CONSISTENCY** – The Project, as conditioned, is consistent with the applicable plans and policies which designate this area as appropriate for development.

EVIDENCE: a) During the course of review of this application, the project has been reviewed for consistency with the text, policies, and regulations in:

- the 1982 Monterey County General Plan (General Plan);
- North County Land Use Plan (NC LUP);
- Monterey County Coastal Implementation Plan, Part 2 (NC CIP)
- Monterey County Zoning Ordinance (Title 20);

No conflicts were found to exist. No communications were received during the course of review of the project indicating any inconsistencies with the text, policies, and regulations in these documents.

b) The property is located 2250 Highway 1, Moss Landing, North County Land Use Plan (APN: 413-011-029-000), North County Land Use Plan area. The parcel is zoned Agricultural Conservation, Coastal Zone or "AC(CZ)" and Resource Conservation, Coastal Zone or "RC(CZ)". The area of development is zoned AC(CZ) which allows establishment of an agricultural support facility. The project is consistent with conditionally allowed uses on the property and is therefore an allowed land use for this site.

c) North County Land Use Plan Agricultural Polices – Policy 2.6.3.3 of the NC LUP allows agriculture-related facilities on Agriculture Conservation parcels on the least agriculturally viable area of the parcel. Monterey County Geographic Information System designates the area of development as "Urban and Built Up Land", consistent with this policy. The project is also consistent with Policy 2.6.4.3 of the NC LUP as it provides alternative energy for existing agricultural support facilities on the site.

d) Williamson Act – The area of development is encumbered by Williamson Act Contract No. 68-011. Item 6 of Exhibit B of this contract lists the "erection, construction, alteration or maintenance of gas, electric, water or communication facilities" as compatible uses. The ground mount photovoltaic system will provide renewable energy to the existing agricultural support facilities (cold storage and shipping facilities) on the site and is therefore consistent with the requirements of the contract.

e) Archaeological Resources – Monterey County Geographic Information System and the Archaeological Report (Monterey County File No. LIB180252) indicates that the area of development is within 750-feet of known archaeological resources. However, there are no resources known and/or found to be onsite. Consistent with Section 20.144.110.A.1 of the North County Coastal Implementation Plan, the project includes approval of a Coastal Administrative Permit. The project has been conditioned to stop all work if any archaeological resources are accidentally uncovered.

f) The project planner conducted a site inspection on May 17, 2018 to verify that the project on the subject parcel conforms to the plans listed above.

g) The application, project plans, and related support materials submitted by the project applicant to Monterey County RMA-Planning for the proposed development found in Project File PLN180115.

2. **FINDING:** **SITE SUITABILITY –** The site is physically suitable for the use proposed.

EVIDENCE: a) The project has been reviewed for site suitability by the following departments and agencies: RMA- Planning, Cal-Fire Coastal, RMA-Public Works, RMA-Environmental Services, Environmental Health Bureau, and Water Resources Agency. There has been no indication from these departments/agencies that the site is not suitable for the proposed development and any conditions recommended have been incorporated.

b) The Agricultural Commissioner's Office has determined that the proposed ground mount photovoltaic system is compatible with the Williamson Act Contract applicable to the site (see Finding 1, Evidence "d"), consistent with the existing uses (row-crop farming and cold storage and shipping facilities) on the site, and will not result in the displacement of cultivated agricultural land. Therefore, the area of development is suitable for the project.

c) Staff conducted a site inspection on May 17, 2018 to verify that the site is suitable for this use.

d) The application, project plans, and related support materials submitted by the project applicant to the Monterey County RMA - Planning for the proposed development found in Project File PLN180115.

3. **FINDING:** **HEALTH AND SAFETY -** The establishment, maintenance, or operation of the use or structure applied for, will not, under the circumstances of the particular case, be detrimental to the health, safety, peace, morals, comfort, and general welfare of persons residing or working in the neighborhood of such proposed use; or be detrimental or injurious to property and improvements in the neighborhood; or to the general welfare of the County.

EVIDENCE: a) The project was reviewed by RMA - Planning, North County Fire Protection District, RMA - Public Works, Environmental Health Bureau, RMA - Environmental Services, and Water Resources Agency. The respective agencies have recommended conditions, where appropriate, to ensure that the project will not have an adverse effect on the health, safety, and welfare of persons either residing or working in the neighborhood.

b) Public facilities will not be required for the proposed use. Access to the site will be provided by existing internal circulation roadways on the property. The ground mount photovoltaic system will be unmanned and will not require potable water or a wastewater services.

c) Staff conducted a site inspection on May 17, 2018 to verify that the site is suitable for this use.

d) The application, project plans, and related support materials submitted by the project applicant to the Monterey County RMA - Planning for the proposed development found in Project File PLN180115.

4. **FINDING:** **NO VIOLATIONS -** The subject property is in compliance with all rules and regulations pertaining to zoning uses, subdivision, and any other applicable provisions of the County's zoning ordinance. No violations exist on the property.

EVIDENCE: a) Staff reviewed Monterey County RMA - Planning and Building Services Department records and is not aware of any violations existing on subject property. There are no known violations on the subject parcel.

b) Staff conducted a site inspection on May 17, 2018 and researched County records to assess if any violation exists on the subject property.

c) The application, plans and supporting materials submitted by the project applicant to Monterey County RMA-Planning for the proposed development are found in Project File PLN180115.

5. **FINDING:** **CEQA (Exempt): -** The project is categorically exempt from environmental review and no unusual circumstances were identified to exist for the proposed project.

EVIDENCE:

a) California Environmental Quality Act (CEQA) Guidelines Section 15303(e) categorically exempts accessory structures. The proposed ground mount photovoltaic system will provide a renewable energy resource to only the existing agricultural processing facilities located on the subject property.

b) None of the exceptions under CEQA Guidelines Section 15300.2 apply to this project. The project is not located on a hazardous waste site, visible from a scenic highway or near a historical resource. The development area is pre-disturbed and is currently used as an area to park agricultural equipment when not in use. Existing cultivation activities will not be affected.

c) Staff conducted a site inspection on May 17, 2018 to verify that the site and proposed project meet the criteria for an exemption. No adverse environmental effects were identified during staff review of the development application during this site visit.

d) The application, project plans, and related support materials submitted by the project applicant to Monterey County RMA-Planning for the proposed development found in Project File PLN180115.

6. **FINDING:** **PUBLIC ACCESS** – The project is in conformance with the public access and recreation policies of the Coastal Act (specifically Chapter 3 of the Coastal Act of 1976, commencing with Section 30200 of the Public Resources Code) and Local Coastal Program, and does not interfere with any form of historic public use or trust rights.

EVIDENCE:

a) Figure 6 – Shoreline Access/Trails of the North County Land Use Plan (NC LUP) indicates that the subject property is not described in an area where physical public access is existing or required.

b) No evidence or documentation has been submitted or found showing the existence of historic public use or trust rights over this property.

c) Staff conducted a site inspection on May 17, 2018 to verify that the site and proposed project meet the criteria for an exemption. No adverse environmental effects were identified during staff review of the development application during this site visit.

d) The application, project plans, and related support materials submitted by the project applicant to Monterey County RMA-Planning for the proposed development found in Project File PLN180115.

7. **FINDING:** **APPEALABILITY -** The decision on this project may be appealed to the Board of Supervisors and the California Coastal Commission.

EVIDENCE:

a) Section 20.86.010 and 20.86.020 of the Monterey County Zoning Ordinance (Title 20) states that the proposed project is appealable to the Board of Supervisors.

b) Section 20.86.080.A.3 of the Monterey County Zoning Ordinance (Title 20) states that the proposed project is subject to appeal by/to the California Coastal Commission because the proposed project is permitted as a conditional use in the Watershed and Scenic Conservation zoning district.

DECISION

NOW, THEREFORE, based on the above findings and evidence, the Zoning Administrator does hereby:

1. Find the project is accessory to the agricultural use of the property which qualifies as a Class "3" Categorical Exemption pursuant to Section 15303(e) of the CEQA Guidelines and there are no exceptions pursuant to Section 15300.2; and
2. Approve a Combined Development Permit consisting of:
    a. Coastal Development Permit to establish an agricultural support facility consisting of a ground mount photovoltaic system and
    b. Coastal Administrative Permit to allow development within 750-feet of a known archaeological resource.

All in general conformance with the attached sketch and subject to 7 conditions, both being attached hereto and incorporated herein by reference.

PASSED AND ADOPTED this 9th day of August, 2018:

_____

Mike Novo, Zoning Administrator

COPY OF THIS DECISION MAILED TO APPLICANT ON:

THIS APPLICATION IS APPEALABLE TO THE BOARD OF SUPERVISORS.

IF ANYONE WISHES TO APPEAL THIS DECISION, AN APPEAL FORM MUST BE COMPLETED AND SUBMITTED TO THE CLERK TO THE BOARD ALONG WITH THE APPROPRIATE FILING FEE ON OR BEFORE:

THIS PROJECT IS LOCATED IN THE COASTAL ZONE AND IS APPEALABLE TO THE COASTAL COMMISSION. UPON RECEIPT OF NOTIFICATION OF THE FINAL LOCAL ACTION NOTICE (FLAN) STATING THE DECISION BY THE FINAL DECISION MAKING BODY, THE COMMISSION ESTABLISHES A 10 WORKING DAY APPEAL PERIOD. AN APPEAL FORM MUST BE FILED WITH THE COASTAL COMMISSION. FOR FURTHER INFORMATION, CONTACT THE COASTAL COMMISSION AT (831) 427-4863 OR AT 725 FRONT STREET, SUITE 300, SANTA CRUZ, CA

This decision, if this is the final administrative decision, is subject to judicial review pursuant to California Code of Civil Procedure Sections 1094.5 and 1094.6. Any Petition for Writ of Mandate must be filed with the Court no later than the 90th day following the date on which this decision becomes final.

NOTES

1. You will need a building permit and must comply with the Monterey County Building Ordinance in every respect.

   Additionally, the Zoning Ordinance provides that no building permit shall be issued, nor any use conducted, otherwise than in accordance with the conditions and terms of the permit granted or until ten days after the mailing of notice of the granting of the permit by the appropriate authority, or after granting of the permit by the Board of Supervisors in the event of appeal.

   Do not start any construction or occupy any building until you have obtained the necessary permits and use clearances from Monterey County RMA-Planning and RMA-Building Services Department office in Salinas.

2. This permit expires 3 years after the above date of granting thereof unless construction or use is started within this period.

Form Rev. 5-14-2014

Monterey County RMA Planning

DRAFT Conditions of Approval/Implementation Plan/Mitigation Monitoring and Reporting Plan

PLN180115

1. PD001 - SPECIFIC USES ONLY

Responsible Department: RMA-Planning

Condition/Mitigation Monitoring Measure: This Combined Development Permit consisting of a: 1) Coastal Development Permit for establishment of an agricultural support facility consisting of a ground mount photovoltaic solar panel system and 2) a Coastal Development Permit to allow development within 750 feet of a known archaeological resource. The property is located at 2250 Highway 1, Moss Landing (Assessor's Parcel Number 413-011-029-000), Moss Landing Community Plan, North County Land Use Plan, Coastal Zone. This permit was approved in accordance with County ordinances and land use regulations subject to the terms and conditions described in the project file. Neither the uses nor the construction allowed by this permit shall commence unless and until all of the conditions of this permit are met to the satisfaction of the Director of RMA - Planning. Any use or construction not in substantial conformance with the terms and conditions of this permit is a violation of County regulations and may result in modification or revocation of this permit and subsequent legal action. No use or construction other than that specified by this permit is allowed unless additional permits are approved by the appropriate authorities. To the extent that the County has delegated any condition compliance or mitigation monitoring to the Monterey County Water Resources Agency, the Water Resources Agency shall provide all information requested by the County and the County shall bear ultimate responsibility to ensure that conditions and mitigation measures are properly fulfilled. (RMA - Planning)

Compliance or Monitoring Action to be Performed: The Owner/Applicant shall adhere to conditions and uses specified in the permit on an ongoing basis unless otherwise stated.

2. PD002 - NOTICE PERMIT APPROVAL

Responsible Department: RMA-Planning

Condition/Mitigation Monitoring Measure: The applicant shall record a Permit Approval Notice. This notice shall state:
"A Combined Development Permit to allow a photovoltaic solar panel system (Resolution Number ***) was approved by Zoning Administrator for Assessor's Parcel Number 413-011-029-000 on August 9, 2018. The permit was granted subject to 7 conditions of approval which run with the land. A copy of the permit is on file with Monterey County RMA - Planning."

Proof of recordation of this notice shall be furnished to the Director of RMA - Planning prior to issuance of grading and building permits, Certificates of Compliance, or commencement of use, whichever occurs first and as applicable. (RMA - Planning)

Compliance or Monitoring Action to be Performed: Prior to the issuance of grading and building permits, certificates of compliance, or commencement of use, whichever occurs first and as applicable, the Owner/Applicant shall provide proof of recordation of this notice to the RMA - Planning.

3. PD003(A) - CULTURAL RESOURCES NEGATIVE ARCHAEOLOGICAL REPORT

Responsible Department: RMA-Planning

Condition/Mitigation Monitoring Measure: If, during the course of construction, cultural, archaeological, historical or paleontological resources are uncovered at the site (surface or subsurface resources) work shall be halted immediately within 50 meters (165 feet) of the find until a qualified professional archaeologist can evaluate it. Monterey County RMA - Planning and a qualified archaeologist (i.e., an archaeologist registered with the Register of Professional Archaeologists) shall be immediately contacted by the responsible individual present on-site. When contacted, the project planner and the archaeologist shall immediately visit the site to determine the extent of the resources and to develop proper mitigation measures required for recovery.
(RMA - Planning)

Compliance or Monitoring Action to be Performed: The Owner/Applicant shall adhere to this condition on an on-going basis.

Prior to the issuance of grading or building permits and/or prior to the recordation of the final/parcel map, whichever occurs first, the Owner/Applicant shall include requirements of this condition as a note on all grading and building plans. The note shall state "Stop work within 50 meters (165 feet) of uncovered resource and contact Monterey County RMA - Planning and a qualified archaeologist immediately if cultural, archaeological, historical or paleontological resources are uncovered."

When contacted, the project planner and the archaeologist shall immediately visit the site to determine the extent of the resources and to develop proper mitigation measures required for the discovery.

4. PD006(A) - CONDITION COMPLIANCE FEE

Responsible Department: RMA-Planning

Condition/Mitigation Monitoring Measure: The Owner/Applicant shall pay the Condition Compliance fee, as set forth in the fee schedule adopted by the Board of Supervisors, for the staff time required to satisfy conditions of approval. The fee in effect at the time of payment shall be paid prior to clearing any conditions of approval.

Compliance or Monitoring Action to be Performed: Prior to clearance of conditions, the Owner/Applicant shall pay the Condition Compliance fee, as set forth in the fee schedule adopted by the Board of Supervisors.

5. CALIFORNIA CONSTRUCTION GENERAL PERMIT

Responsible Department: Environmental Services

Condition/Mitigation Monitoring Measure: The applicant shall submit a Stormwater Pollution Prevention Plan (SWPPP) including the Waste Discharger Identification (WDID) number, to RMA-Environmental Services. In lieu of a SWPPP, a letter of exemption or erosivity waiver from the Central Coast Regional Water Quality Control Board may be provided. (RMA-Environmental Services)

Compliance or Monitoring Action to be Performed: Prior to issuance of any grading or building permits, the applicant shall submit a SWPPP including the WDID number certifying the project is covered under the California Construction General Permit or a letter of exemption from the Central Coast Regional Water Quality Control Board.

6. WR001 - DRAINAGE PLAN

Responsible Department: Water Resources Agency

Condition/Mitigation Monitoring Measure: The applicant shall provide a drainage plan, prepared by a registered civil engineer or licensed architect, to mitigate on-site and off-site impacts from impervious surface stormwater runoff. Drainage improvements shall be constructed in accordance with plans approved by the Water Resources Agency. (Water Resources Agency)

Compliance or Monitoring Action to be Performed: Prior to issuance of any construction permit, the owner/applicant shall submit a drainage plan with the construction permit application.

The Building Services Department will route a plan set to the Water Resources Agency for review and approval.

7. CC01 INDEMNIFICATION AGREEMENT

Responsible Department: County Counsel

Condition/Mitigation Monitoring Measure: The property owner agrees as a condition and in consideration of approval of this discretionary development permit that it will, pursuant to agreement and/or statutory provisions as applicable, including but not limited to Government Code Section 66474.9, defend, indemnify and hold harmless the County of Monterey or its agents, officers and employees from any claim, action or proceeding against the County or its agents, officers or employees to attack, set aside, void or annul this approval, which action is brought within the time period provided for under law, including but not limited to, Government Code Section 66499.37, as applicable. The property owner will reimburse the County for any court costs and attorney's fees which the County may be required by a court to pay as a result of such action. The County may, at its sole discretion, participate in the defense of such action; but such participation shall not relieve applicant of his/her/its obligations under this condition. An agreement to this effect shall be recorded upon demand of County Counsel or concurrent with the issuance of building permits, use of property, filing of the final map, recordation of the certificates of compliance whichever occurs first and as applicable. The County shall promptly notify the property owner of any such claim, action or proceeding and the County shall cooperate fully in the defense thereof. If the County fails to promptly notify the property owner of any such claim, action or proceeding or fails to cooperate fully in the defense thereof, the property owner shall not thereafter be responsible to defend, indemnify or hold the County harmless. (County Counsel)

Compliance or Monitoring Action to be Performed: Upon demand of County Counsel or concurrent with the issuance of building permits, use of the property, recording of the final/parcel map, or recordation of Certificates of Compliance, whichever occurs first and as applicable, the Owner/Applicant shall submit a signed and notarized Indemnification Agreement to the County Counsel for review and signature by the County.

Proof of recordation of the Indemnification Agreement, as outlined, shall be submitted to the Office of County Counsel.

PHOTOVOLTAIC SYSTEM - CAPURRO FARMS
2250 HIGHWAY 1, MOSS LANDING, CA 95035

Vicinity Map:

Contact Info:

OWNER:
FRANK CAPURRO
2250 HIGHWAY 1
MOSS LANDING, CA 95035

GENERAL CONTRACTOR:
ENABLE ENERGY, INC.
2543 WARREN DRIVE
ROCKLIN, CA 95677
CSLB #: 990593
PHONE: 844-717-0194

ELECTRICAL ENGINEER:
NATRON RESOURCES INC.
1480 MORAGA ROAD, SUITE C #229
MORAGA, CA 94556

STRUCTURAL ENGINEER:
RBI SOLAR MOUNTING SYSTEMS
5513 VINE STREET
CINCINNATI, OH 45217

Table of Contents:

CODE REFERENCES:

1. 2016 CALIFORNIA ELECTRICAL CODE (CEC) .
2. 2016 CALIFORNIA FIRE CODE (CFC).
3. 2016 CALIFORNIA BUILDING CODE (CBC).
4. 2016 CALIFORNIA GREEN BUILDING CODE (GBC).

SCOPE OF WORK:

ALL ELECTRICITY GENERATED IS FOR CONSUMPTION ON SITE.

SYSTEM ELECTRICAL CONNECTION TO MAIN ELECTRICAL SERVICE IS AT 480Y/277V SWITCHGEAR.

PERMIT SHALL INCLUDE LABOR OF INSTALLING SOLAR PANELS ON ROOFTOP, RUNNING OF ELECTRICAL CONDUITS, INSTALLATION OF NEW ELECTRICAL EQUIPMENT AND ELECTRICAL CONNECTION TO EXISTING BUILDING SERVICE.

NO BATTERIES REQUIRED AS PART OF THIS PROJECT SCOPE.

System Specifications:

PANEL MODEL	REC_GROUP REC350TP2S 72
NUMBER OF PANELS	1,186
SYSTEM POWER, KWSTC	415.1
SYSTEM POWER, KWAC	350.504
ARRAY SQUARE FOOTAGE	25,603
ARRAY WEIGHT (LBS)	57,521
APPLICABLE CODE	CEC 2016
CONSTRUCTION TYPE	COMMERCIAL
ASHRAE STATION	SALINAS MUNICIPAL AP
ASHRAE 2% HIGH DESIGN TEMP. DB	25
ASHRAE MIN MEAN EXTREME ANNUAL DB	-1

- PARCEL SIZE: 884,268
- GENERAL PLAN LAND USE DESIGNATION: AGRICULTURAL CONSERVATION & WETLANDS AND COASTAL STRAND.
- ZONING DESIGNATION: RC AND AC COASTAL ZONE
- LOT COVERAGE (REQUIRED AND PROPOSED) - CALCULATIONS SHOWING THE PERCENTAGE THAT THE BUILDING FOOTPRINT COVERS THE PARCEL:
  ESTIMATED EXISTING BUILDING LOT COVERAGE:55,223sf
  ESTIMATED EXISTING BUILDING LOT COVERAGE % OF PARCEL:6.24%
  ESTIMATED PROPOSED SOLAR ARRAY LOT COVERAGE:44,435sf
  ESTIMATED PROPOSED SOLAR ARRAY LOT COVERAGE % OF PARCEL:5.02%

PROJECT TITLE:
CAPURRO FARMS
2250 HIGHWAY 1
MOSS LANDING, CA 95035
APN: 413-011-029

ENGINEER'S STAMP
REGISTERED PROFESSIONAL ENGINEER
JEFFREY H. ANDLEY
Lic. No. 19459
Exp: 06/30/2018
Electrical Engineer
STATE OF CALIFORNIA

Enable energy
2543 Warren Drive, Rocklin CA 95677
844.717.0194 • License #990593

JOB NUMBER: 205268

REVISIONS

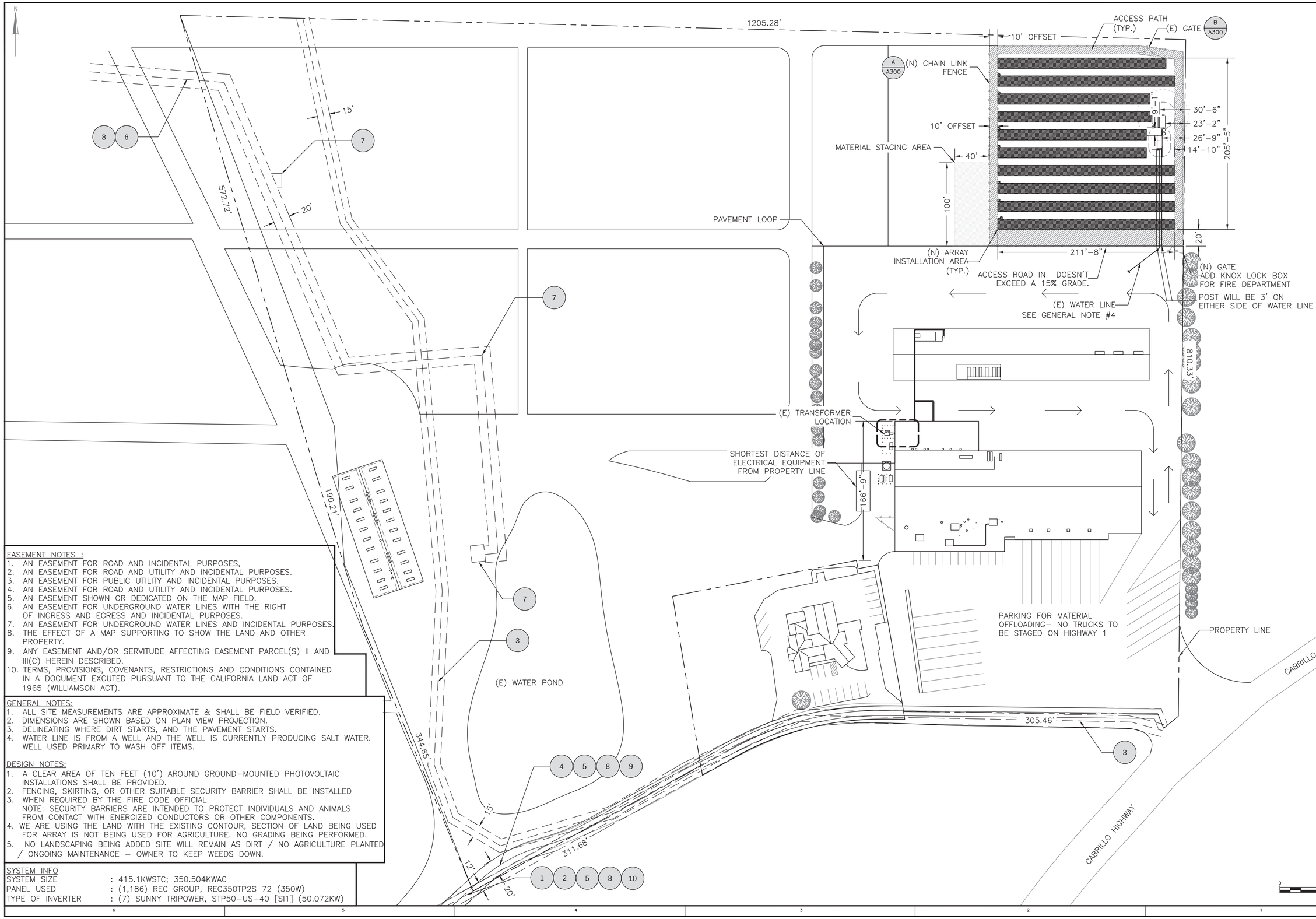
#	DATE	ISSUE
A	22-NOV-17	FOR SUBMITTAL
B	20-FEB-18	FOR UTILITY SUBMITTAL
C	11-MAY-18	FOR RE-SUBMITTAL

PAPER SIZE:	ARCH D
DRAWN BY:	PP
CHECKED BY:	SAC
APPROVED BY:	JHA

SCALE: NTS

SHEET TITLE: TITLE PAGE

SHEET #: T



EASEMENT NOTES :

1. AN EASEMENT FOR ROAD AND INCIDENTAL PURPOSES,
2. AN EASEMENT FOR ROAD AND UTILITY AND INCIDENTAL PURPOSES.
3. AN EASEMENT FOR PUBLIC UTILITY AND INCIDENTAL PURPOSES.
4. AN EASEMENT FOR ROAD AND UTILITY AND INCIDENTAL PURPOSES.
5. AN EASEMENT SHOWN OR DEDICATED ON THE MAP FIELD.
6. AN EASEMENT FOR UNDERGROUND WATER LINES WITH THE RIGHT OF INGRESS AND EGRESS AND INCIDENTAL PURPOSES.
7. AN EASEMENT FOR UNDERGROUND WATER LINES AND INCIDENTAL PURPOSES.
8. THE EFFECT OF A MAP SUPPORTING TO SHOW THE LAND AND OTHER PROPERTY.
9. ANY EASEMENT AND/OR SERVITUDE AFFECTING EASEMENT PARCEL(S) II AND III(C) HEREIN DESCRIBED.
10. TERMS, PROVISIONS, COVENANTS, RESTRICTIONS AND CONDITIONS CONTAINED IN A DOCUMENT EXCUTED PURSUANT TO THE CALIFORNIA LAND ACT OF 1965 (WILLIAMSON ACT).

GENERAL NOTES:

1. ALL SITE MEASUREMENTS ARE APPROXIMATE & SHALL BE FIELD VERIFIED.
2. DIMENSIONS ARE SHOWN BASED ON PLAN VIEW PROJECTION.
3. DELINEATING WHERE DIRT STARTS, AND THE PAVEMENT STARTS.
4. WATER LINE IS FROM A WELL AND THE WELL IS CURRENTLY PRODUCING SALT WATER. WELL USED PRIMARY TO WASH OFF ITEMS.

DESIGN NOTES:

1. A CLEAR AREA OF TEN FEET (10') AROUND GROUND-MOUNTED PHOTOVOLTAIC INSTALLATIONS SHALL BE PROVIDED.
2. FENCING, SKIRTING, OR OTHER SUITABLE SECURITY BARRIER SHALL BE INSTALLED
3. WHEN REQUIRED BY THE FIRE CODE OFFICIAL.
   NOTE: SECURITY BARRIERS ARE INTENDED TO PROTECT INDIVIDUALS AND ANIMALS FROM CONTACT WITH ENERGIZED CONDUCTORS OR OTHER COMPONENTS.
4. WE ARE USING THE LAND WITH THE EXISTING CONTOUR, SECTION OF LAND BEING USED FOR ARRAY IS NOT BEING USED FOR AGRICULTURE. NO GRADING BEING PERFORMED.
5. NO LANDSCAPING BEING ADDED SITE WILL REMAIN AS DIRT / NO AGRICULTURE PLANTED / ONGOING MAINTENANCE – OWNER TO KEEP WEEDS DOWN.

SYSTEM INFO

SYSTEM SIZE	: 415.1KWSTC; 350.504KWAC
PANEL USED	: (1,186) REC GROUP, REC350TP2S 72 (350W)
TYPE OF INVERTER	: (7) SUNNY TRIPOWER, STP50-US-40 [SI1] (50.072KW)

PROJECT TITLE:

CAPURRO FARMS
2250 HIGHWAY 1
MOSS LANDING, CA 95035
APN: 413-011-029

ENGINEER'S STAMP

REGISTERED PROFESSIONAL ENGINEER
JEFFREY H. ANDLEY
Lic. No. 19459
Exp: 06/30/2019
Electrical Engineer
STATE OF CALIFORNIA

Enable energy
2543 Warren Drive, Rocklin CA 95677
844.717.0194 • License #990593

JOB NUMBER: 205268

#	DATE	ISSUE
A	22-NOV-17	FOR SUBMITTAL
B	20-FEB-18	FOR UTILITY SUBMITTAL
C	11-MAY-18	FOR PLANNING SUBMITTAL

REVISIONS

PAPER SIZE:	ARCH D
DRAWN BY:	PP
CHECKED BY:	SAC
APPROVED BY:	JHA

SCALE: 1"= 50'-0"

SHEET TITLE: PLANNING SITE PLAN

SHEET #: A100

N

A300 (N) PROPOSED CHAIN LINK FENCE

C A301 C A301

232'

221'–11"

25' 28'–4"

(E) GATE

201'–7" (60 WIDE)

211'–8" (63 WIDE)

ACCESS PATH (TYP.)

191'–6" (57 WIDE)

192'

184'–9" (55 WIDE)

C A301 C A301

178' (53 WIDE)

178' (53 WIDE)

211'–8" (63 WIDE)

21'–5" (TYP.)

211'–8" (63 WIDE)

211'–8" (63 WIDE)

12'–5" (TYP.) 9' (TYP.)

211'–8" (63 WIDE)

(E) MESH FENCE

1 2 3 4 5 6 7 8 9 10

(E) UTILITY POLE & (E) UTILITY METER #1009568549 LOCATION

9'–1"

30'–6"

23'–2"

12'–10"

25'

(E) TANK

239'–10"

A A301 A A301

D A301 D A301

A A300 (N) CHAIN LINK FENCE

ACCESS ROAD IN DOESN'T EXCEED A 15% GRADE.

POST WILL BE 3' ON EITHER SIDE OF WATER LINE

(N) GATE ADD KNOX LOCK BOX FOR FIRE DEPARTMENT

(E) WATER LINE SEE GENERAL NOTE #4

PROPERTY LINE

0 15' 30'

Array	No.	Modules	Tilt	Azimuth	Area (sq.f.)	Area (sq.m.)
1		120	20	180	2591	241
2		126	20	180	2720	253
3		114	20	180	2461	229
4		110	20	180	2375	220
5		106	20	180	2288	212
6		106	20	180	2288	212
7		126	20	180	2720	253
8		126	20	180	2720	253
9		126	20	180	2720	253
10		126	20	180	2720	253

GENERAL NOTES:
1. ALL SITE MEASUREMENTS ARE APPROXIMATE & SHALL BE FIELD VERIFIED.
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3. WHEN REQUIRED BY THE FIRE CODE OFFICIAL.
   NOTE: SECURITY BARRIERS ARE INTENDED TO PROTECT INDIVIDUALS AND ANIMALS FROM CONTACT WITH ENERGIZED CONDUCTORS OR OTHER COMPONENTS.
4. WE ARE USING THE LAND WITH THE EXISTING CONTOUR, SECTION OF LAND BEING USED FOR ARRAY IS NOT BEING USED FOR AGRICULTURE. NO GRADING BEING PERFORMED.
5. NO LANDSCAPING BEING ADDED SITE WILL REMAIN AS DIRT / NO AGRICULTURE PLANTED / ONGOING MAINTENANCE – OWNER TO KEEP WEEDS DOWN.

SYSTEM INFO
SYSTEM SIZE : 415.1KWSTC; 350.504KWAC
PANEL USED : (1,186) REC GROUP, REC350TP2S 72 (350W)
TYPE OF INVERTER : (7) SUNNY TRIPOWER, STP50-US-40 [SI1] (50.072KW)

PROJECT TITLE:
CAPURRO FARMS
2250 HIGHWAY 1
MOSS LANDING, CA 95035
APN: 413-011-029

ENGINEER'S STAMP
REGISTERED PROFESSIONAL ENGINEER
JEFFREY M. ANDLEY
Lic. No. 19459
Exp: 06/30/2019
Electrical Engineer
STATE OF CALIFORNIA

Enable energy
2543 Warren Drive, Rocklin CA 95677
844.717.0194 • License #980593
JOB NUMBER: 205268

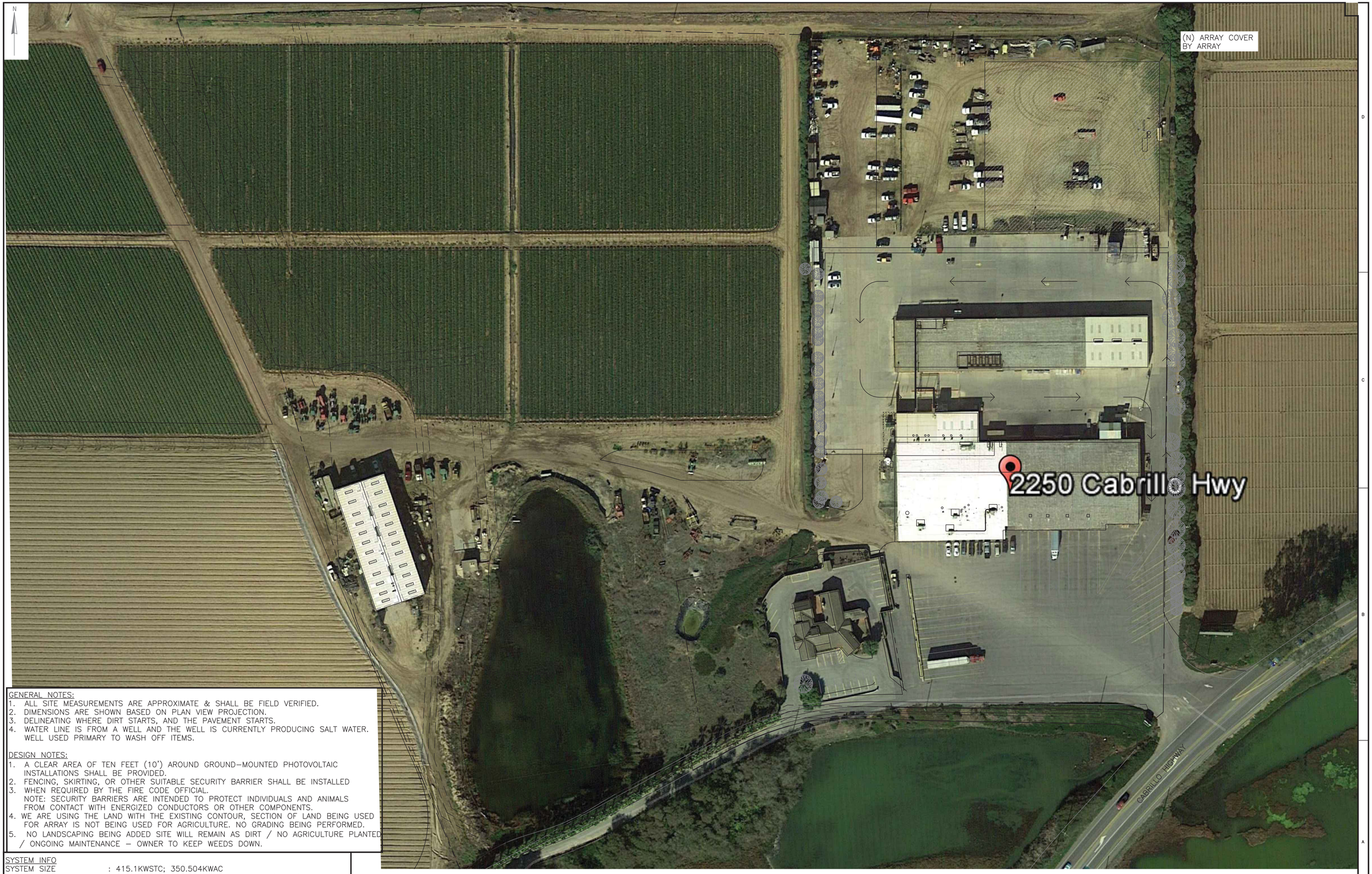
REVISIONS		
#	DATE	ISSUE
A	22-NOV-17	FOR-SUBMITTAL
B	20-FEB-18	FOR UTILITY SUBMITTAL
C	11-MAY-18	FOR PLANNING SUBMITTAL

PAPER SIZE: ARCH D
DRAWN BY: PP
CHECKED BY: SAC
APPROVED BY: JHA

SCALE: 1"=15'-0"

SHEET TITLE: PLANNING ARRAY PLAN

SHEET #: A200



GENERAL NOTES:
1. ALL SITE MEASUREMENTS ARE APPROXIMATE & SHALL BE FIELD VERIFIED.
2. DIMENSIONS ARE SHOWN BASED ON PLAN VIEW PROJECTION.
3. DELINEATING WHERE DIRT STARTS, AND THE PAVEMENT STARTS.
4. WATER LINE IS FROM A WELL AND THE WELL IS CURRENTLY PRODUCING SALT WATER. WELL USED PRIMARY TO WASH OFF ITEMS.

DESIGN NOTES:
1. A CLEAR AREA OF TEN FEET (10') AROUND GROUND-MOUNTED PHOTOVOLTAIC INSTALLATIONS SHALL BE PROVIDED.
2. FENCING, SKIRTING, OR OTHER SUITABLE SECURITY BARRIER SHALL BE INSTALLED
3. WHEN REQUIRED BY THE FIRE CODE OFFICIAL.
   NOTE: SECURITY BARRIERS ARE INTENDED TO PROTECT INDIVIDUALS AND ANIMALS FROM CONTACT WITH ENERGIZED CONDUCTORS OR OTHER COMPONENTS.
4. WE ARE USING THE LAND WITH THE EXISTING CONTOUR, SECTION OF LAND BEING USED FOR ARRAY IS NOT BEING USED FOR AGRICULTURE. NO GRADING BEING PERFORMED.
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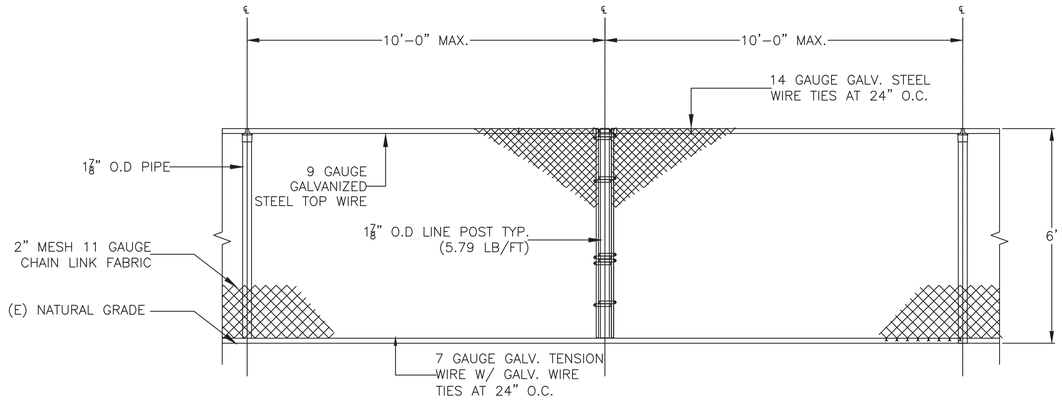
DRAWN BY:	PP
CHECKED BY:	SAC
APPROVED BY:	JHA

SCALE: 1"= 50'-0"

SHEET TITLE: ARRAY LAYOUT

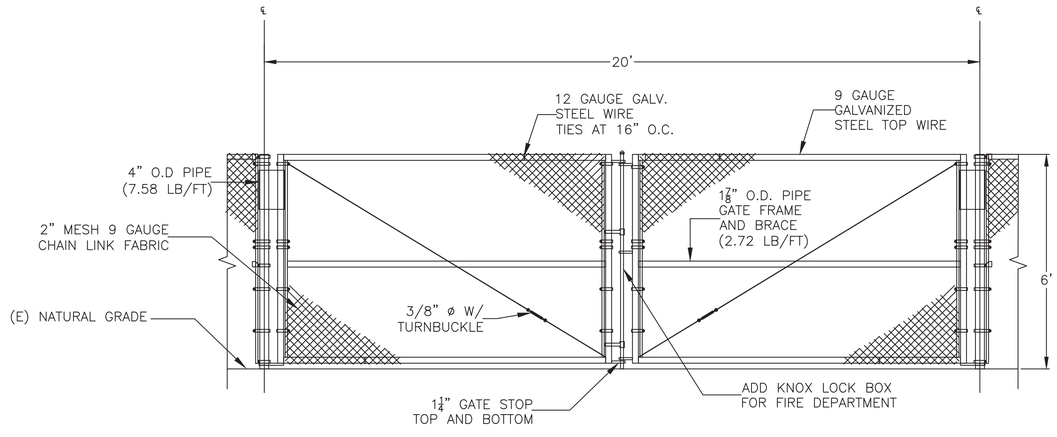
SHEET #: A201



A FENCE ELEVATION DETAILS
SCALE: 1"=2'-0"

NOTE:
DIMENSIONS ON STRUCTURAL SHEETS SHALL GOVERN.

0 2' 4'



B DOUBLE SWING GATE ELEVATION DETAILS
SCALE: 1"=2'-0"

0 2' 4'

PROJECT TITLE:

CAPURRO FARMS
2250 HIGHWAY 1
MOSS LANDING, CA 95035
APN: 413-011-029

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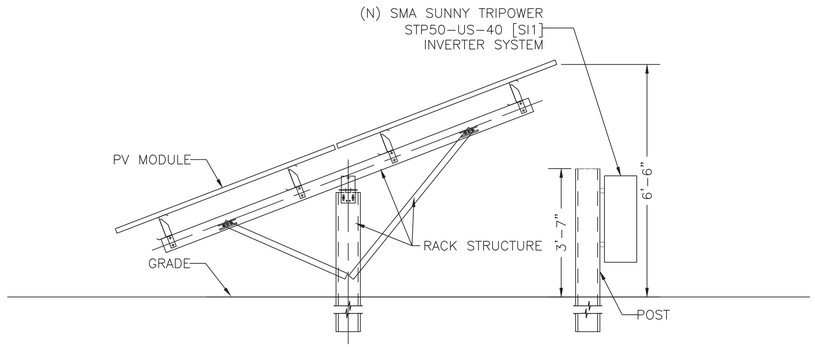
DRAWN BY:	PP
CHECKED BY:	SAC
APPROVED BY:	JHA

SCALE:
1"=2'-0"

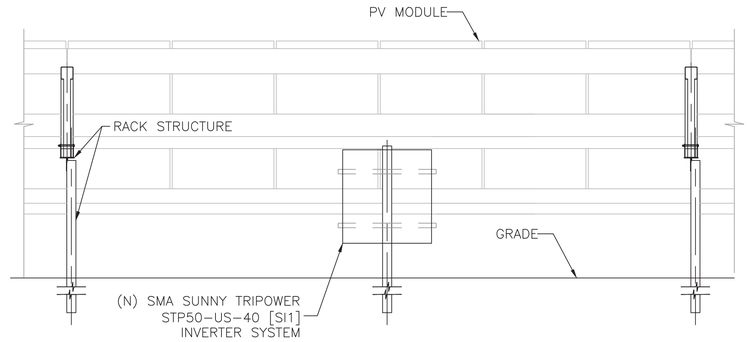
SHEET TITLE:
FENCE DETAIL

SHEET #:
A300

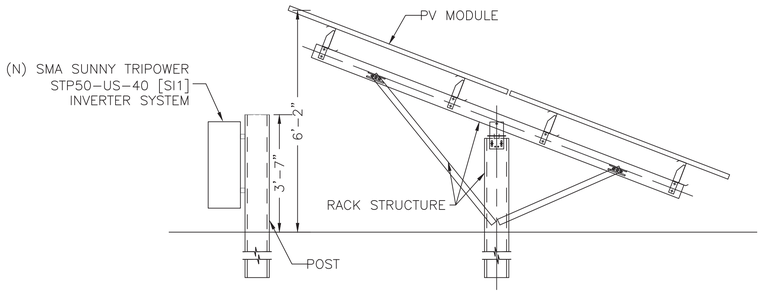
6 5 4 3 2 1



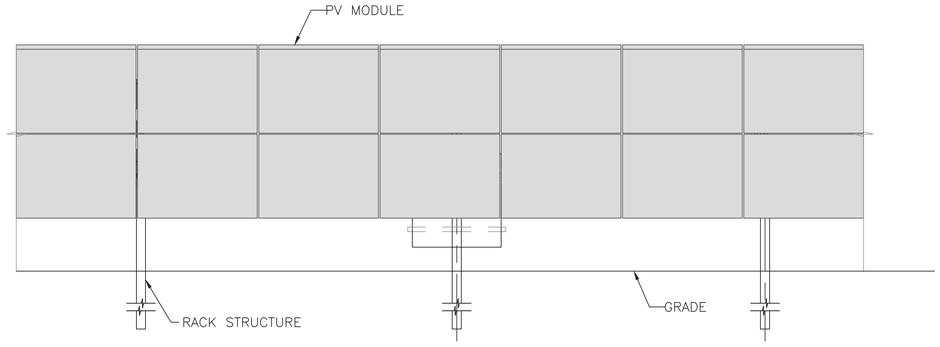
A INVERTER EAST ELEVATION
SCALE: 1"=2'-0"



B RACKING NORTH ELEVATION
SCALE: 1"=2'-0"



C INVERTER WEST ELEVATION
SCALE: 1"=2'-0"



D RACKING SOUTH ELEVATION
SCALE: 1"=2'-0"

NOTE:
DIMENSIONS ON STRUCTURAL SHEETS SHALL GOVERN.

PROJECT TITLE:
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2250 HIGHWAY 1
MOSS LANDING, CA 95035
APN: 413-011-029

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CHECKED BY:	SAC
APPROVED BY:	JHA

SCALE:
1"=2'-0"

SHEET TITLE:
RACKING DETAIL

SHEET #:
A301

REC TWINPEAK 2S 72 SERIES

ENERGIZING LIFE TOGETHER — REC

PREMIUM SOLAR PANELS WITH SUPERIOR PERFORMANCE

REC TwinPeak 2S 72 Series solar panels feature an innovative design with high panel efficiency and power output, enabling customers to get the most out of the space used for the installation.

Combined with industry-leading product quality and the reliability of a strong and established European brand, REC TwinPeak 2S 72 panels are ideal for commercial rooftops worldwide.

PRELIMINARY

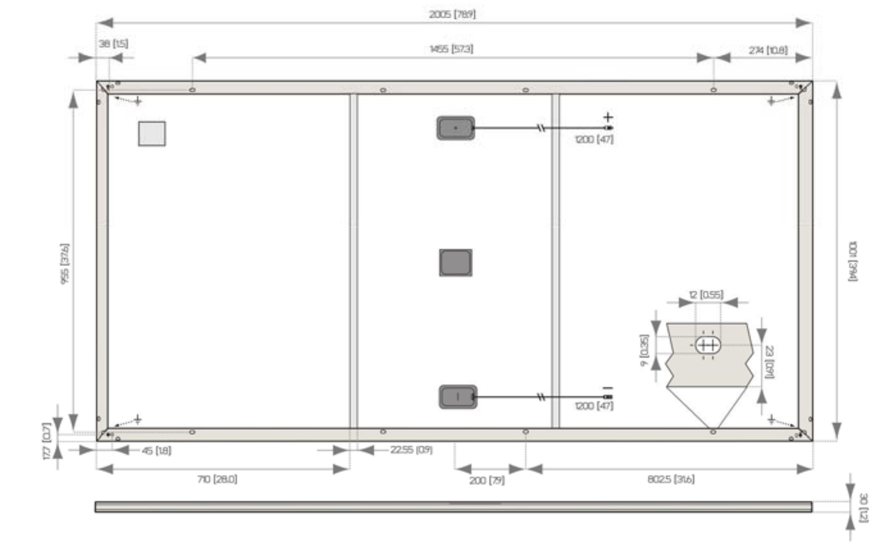
MORE POWER OUTPUT PER FT²

IMPROVED PERFORMANCE IN SHADED CONDITIONS

100% PID FREE

REDUCES BALANCE OF SYSTEM COSTS

REC TWINPEAK 2S 72 SERIES



All measurements in mm [in]

17.4%	EFFICIENCY
10	YEAR PRODUCT WARRANTY
25	YEAR LINEAR POWER OUTPUT WARRANTY
DUTY★FREE	US IMPORT DUTY FREE

ELECTRICAL DATA @ STC	Product Code*: RECxxxTP2S 72				
Nominal Power - P_{MPP} (Wp)	330	335	340	345	350
Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Nominal Power Voltage - V_{MPP} (V)	38.1	38.3	38.5	38.7	38.9
Nominal Power Current - I_{MPP} (A)	8.67	8.75	8.84	8.92	9.00
Open Circuit Voltage - V_{OC} (V)	46.0	46.2	46.3	46.5	46.7
Short Circuit Current - I_{SC} (A)	9.22	9.27	9.32	9.36	9.40
Panel Efficiency (%)	16.4	16.7	16.9	17.2	17.4

Values at standard test conditions STC (airmass AM 1.5, irradiance 1000 W/m², cell temperature 77°F (25°C)).
At low irradiance of 200 W/m² (AM 1.5 and cell temperature 77°F (25°C)) at least 94% of the STC module efficiency will be achieved.
*xxx indicates the nominal power class (P_{MPP}) at STC, and can be followed by the suffix XV for modules with a 1500V maximum system rating.

ELECTRICAL DATA @ NOCT	Product Code*: RECxxxTP2S 72				
Nominal Power - P_{MPP} (Wp)	244	248	251	255	259
Nominal Power Voltage - V_{MPP} (V)	34.9	35.1	35.2	35.4	35.6
Nominal Power Current - I_{MPP} (A)	6.99	7.06	7.13	7.21	7.28
Open Circuit Voltage - V_{OC} (V)	42.3	42.5	42.6	42.8	43.0
Short Circuit Current - I_{SC} (A)	7.44	7.48	7.52	7.57	7.61

Nominal cell operating temperature NOCT (800 W/m², AM 1.5, windspeed 1 m/s, ambient temperature 68°F (20°C).
*xxx indicates the nominal power class (P_{MPP}) at STC, and can be followed by the suffix XV for modules with a 1500V maximum system rating.

CERTIFICATION

Pending: UL 1703, UL Fire Type 2, CEC listed
ISO 9001: 2015, ISO 14001: 2004, OHSAS 18001: 2007

WARRANTY

10 year product warranty.
25 year linear power output warranty
(max. degression in performance of 0.7% p.a.).

TEMPERATURE RATINGS	
Nominal Operating Cell Temperature (NOCT)	44.6°C (±2°C)
Temperature Coefficient of P_{MPP}	-0.39 %/°C
Temperature Coefficient of V_{OC}	-0.31 %/°C
Temperature Coefficient of I_{SC}	0.045 %/°C

GENERAL DATA	
Cell Type:	144 multicrystalline in 6 strings of 24 cells
Glass:	0.13" (3.2 mm) solar glass with anti-reflection surface treatment
Back Sheet:	Highly resistant polyester
Frame:	Anodized aluminum (silver)
Support bars:	Anodized aluminum (silver)
Junction Box:	IP67 rated with bypass diodes 12 AWG (4 mm²) PV wire, 47" + 47" (1.2 m + 1.2 m)
Connectors:	Tonglin TL-Cable01S-F, 12 AWG (4 mm²)

MAXIMUM RATINGS	
Operational Temperature:	-40 ... +185°F (-40 ... +85°C)
Maximum System Voltage:	1000 V / 1500 V* *Dependent on product type
Design Load (+):	75.2 lbs/ft² (3600 Pa)
Design Load (-):	33.4 lbs/ft² (1600 Pa) Refer to installation instructions
Max Series Fuse Rating:	20 A
Max Reverse Current:	20 A

MECHANICAL DATA	
Dimensions:	78.9" x 39.4" x 1.2" (2005 x 1001 x 30 mm)
Area:	21.6 ft² (2.01 m²)
Weight:	48.5 lbs (22 kg)

Note! All specifications are subject to change without notice at any time.

Ref: NE-05-07-13 Rev-A 2 10.17

Founded in Norway in 1996, REC is a leading vertically integrated solar energy company. Through integrated manufacturing from silicon to wafers, cells, high-quality panels and extending to solar solutions, REC provides the world with a reliable source of clean energy. REC's renowned product quality is supported by the lowest warranty claims rate in the industry. REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC employs more than 2,000 people worldwide, producing 1.4 GW of solar panels annually.

REC www.recgroup.com

SUNNY TRIPOWER CORE1

SMA

Highly integrated
- Compact design with maximum power density achieves logistical cost savings
- 12 direct string inputs enable reduced labor and material costs
- Integrated AC and DC overvoltage protection

Maximum energy harvest
- Unique design allows for DC:AC ratios up to 150%, maximizing power throughout the day
- Six MPP trackers ensure maximum production in any application or shading situation

Cost effective
- Integrated AC and DC disconnects save material costs
- No racking required for rooftop applications, creating additional cost savings
- No PV fuses required

Fastest installation
- Built in Wi-Fi access from any mobile device makes accessing the CORE1 easy and effective
- Simplified inverter configuration and commissioning, which accelerates installation and saves installers' valuable time

SUNNY TRIPOWER CORE1

It stands on its own

The Sunny Tripower CORE1 is the world's first free-standing PV inverter for commercial rooftops, carports and ground-mount solar projects. As the next generation of SMA's industry leading Sunny Tripower product line, the CORE1 revolutionizes the commercial inverter category. Its innovative design reduces both installation time and costs to provide the highest return on investment. From distribution to construction to operation, the Sunny Tripower CORE1 enables logistical, material, labor and service cost reductions. With built-in Wi-Fi for fast commissioning, advanced communications and smart inverter grid support functions, commercial installations are up and running faster and simpler than ever.

www.SMA-America.com

Technical data	Sunny Tripower CORE1 (US)	Sunny Tripower CORE1 (IEC)
Input (DC)		
Max. array power	75000 Wp STC	75000 Wp STC
DC voltage (max)	1000 V	1000 V
Rated MPP voltage range	500 V ... 800 V	500 V ... 800 V
MPPT operating voltage range	150 V ... 1000 V	150 V ... 1000 V
Min. DC voltage / start voltage	150 V / 188 V	150 V / 188 V
Number of independent MPP trackers / strings per MPP input	6 / 2	6 / 2
Max. operating input current / per MPP tracker	120 A / 20 A	120 A / 20 A
Max. short circuit current per MPPT / string input	30 A / 30 A	30 A / 30 A
Output (AC)		
AC nominal power	50000 W	50000 W
Max. AC apparent power	53000 VA	50000 VA
Output phases / line connections	3 / 3-(N)-PE	3 / 3-(N)-PE
Nominal AC voltage	480 V / 277 V WYE	400 V / 230 V
AC voltage range	244 V ... 305 V	202 ... 264 V
Rated AC grid frequency	60 Hz	50 Hz
AC grid frequency / range	50 Hz, 60 Hz / -6 Hz ... +5Hz	50 Hz, 60 Hz / -6 Hz ... +5Hz
Max. output current	64 A	72.5 A
Power factor at rated power / adjustable displacement	1 / 0.0 leading ... 0.0 lagging	1 / 0.0 leading ... 0.0 lagging
Harmonics THD	<3 %	<3 %
Efficiency		
Max. efficiency / CEC efficiency / European efficiency	98.3 % / 98 % / -	98.1 % / - / 97.8 %
Protection devices		
Load rated DC disconnect switch	●	●
Load rated AC disconnect switch	●	-
DC reverse polarity protection	●	●
Ground fault monitoring / grid monitoring	● / ●	● / ●
All-pole sensitive residual current monitoring	●	●
DC AFCI compliant to UL 1699B	●	-
DC surge arrester (Type II)	○	○
AC short circuit protection	●	●
AC surge arrester (Type II)	○	○
Protection class / overvoltage category (as per UL840)	I / IV	-
Protection class (as per IEC 60664-1) / overvoltage category (as per IEC 60664-1)	-	I / AC: III; DC: II
General data		
Dimensions (W / H / D)	621 mm / 733 mm / 569 mm (24.4 in x 28.8 in x 22.4 in)	621 mm / 733 mm / 569 mm (24.4 in x 28.8 in x 22.4 in)
Device weight	84 kg (185 lbs)	84 kg (185 lbs)
Operating temperature range	-25 °C ... +60 °C	-25 °C ... +60 °C
Storage temperature range	-40 °C ... +70 °C	-40 °C ... +70 °C
Audible noise emissions (full power @ 1m and 25 °C)	65 dB(A)	65 dB(A)
Internal consumption at night	5.1 W	4.8 W
Topology	Transformerless	Transformerless
Cooling Concept	OptiCool	OptiCool
Enclosure protection rating	Type 4X, 3SX (as per UL 50E)	IP65 (as per IEC 60529)
Climatic category (according to IEC 60721-3-4)	-	4K4H
Maximum permissible value for relative humidity (non-condensing)	100 %	100 %
Features		
DC-Connection	Amphenol UTX PV connectors	SUNCLIX PV connectors
AC-Connection	Screw terminal	Screw terminal
LED indicators (Status / Fault / Communication)	●	●
Interface: Ethernet / WLAN / RS485	● (2 ports) / ● / ○	● (2 ports) / ● / ○
Data protocols: SMA Modbus / SunSpec Modbus / Webconnect	● / ● / ●	● / ● / ●
Multifunction relay	●	●
Mounting	Free-standing with included mounting feet	Free-standing with included mounting feet
OptiTrac Global Peak / Integrated Plant Control / Q on Demand 24/7	● / ● / ●	● / ● / ●
Off-Grid capable / SMA Fuel Save Controller compatible	● / ●	● / ●
Warranty: 5/10/15/20 years	- / ● / ○ / ○	● / ○ / ○ / ○
Certifications and approvals	UL 1741, UL 1998, UL 1699B, IEEE 1547, FCC Part 15 (Class A & B), UL 1741 SA advanced inverter capabilities	BDEW 2008, CE, IEC 61727, IEC 62109-1/2, IEC 62116, VDE 0126-1-1, VDE-AR-N 4105 additional regional certifications available on request
○ Optional features ● Standard features - Not available		
Type designation	STP50-US-40	STP50-40

Accessories

- SMA Sensor Module MD.SEN-US-40
- SMA RS485 Module MD.485-US-40
- Antenna Extension Kit EXTANT-US-40
- AC Surge Protection Module Kit AC_SPD_Kit1-10; DC Surge Protection Module Kit DC_SPD_Kit4-10

Locus ENERGY

A GENSCAPE COMPANY

PERFORMANCE DATA ACQUISITION FOR COMMERCIAL, INDUSTRIAL & UTILITY PV SYSTEMS

LGate 360

Locus Energy's LGate 360 is a performance data acquisition kit for Commercial, Industrial, and Utility solar photovoltaic systems. Designed to integrate easily into three-phase PV systems of all sizes, the LGate360 continually collects a multitude of energy and environmental data, allowing site owners and operators to efficiently manage solar assets.

The LGate 360 can be configured to monitor nearly any type of PV system. The standard configuration consists of an industrial grade datalogger and revenue-grade energy meter mounted inside a weatherized enclosure. Additional equipment can be added into the LGate360 such as cellular modems and network conversion hardware. All LGates are shipped with integrated disconnect breakers making field installation much simpler. In addition, each unit can be configured to aggregate data from a large variety of peripheral devices such as inverters, trackers, relays, string/sub-array combiner boxes and weather stations.

DATA COLLECTION

The LGate uses Modbus RTU/TCP protocol to communicate with downstream devices. Any device that supports Modbus can be connected and monitored by the LGate. Up to 32 devices can be connected through native Modbus RTU inputs (expandable), while up to 100 devices can be connected using Modbus/TCP. All data is collected, timestamped and then stored in non-volatile memory. This interval data is stored locally until the next scheduled upload.

CONNECTIVITY

Once the LGate collects and stores performance data from connected devices, it will upload batches of data at regular intervals to Locus Energy's LocusNOC™ web application. The LGate can transmit data over Ethernet or cellular networks. The integrated datalogger can be set to communicate through almost any type of local area network.

▸ Learn more about the LGate 360 at info.locusenergy.com/commercial-and-utility-das-hardware

LGATE 360 | SPECS | WWW.LOCUSENERGY.COM

COMPONENTS	
Datalogger	AcquiSuite EMB A8810
Meter	Veris Industries E50 Series Meter
DC Power	Schneider Electric ABL8RP
Cell Modem	Digi Transport WR21
External Battery Backup	24 Hours
Data Storage Interval	5 Minute (1 Minute Optional)
Remote Upgrades	Yes

COMMUNICATION	
LAN	RJ45 10/100 Ethernet, full half duplex, auto polarity
Cellular (optional)	4G LTE and 3G Compatible
Networking	DHCP or Static IP
Modbus TCP	100 Clients per Logger
Modbus RTU	32 Clients per Logger

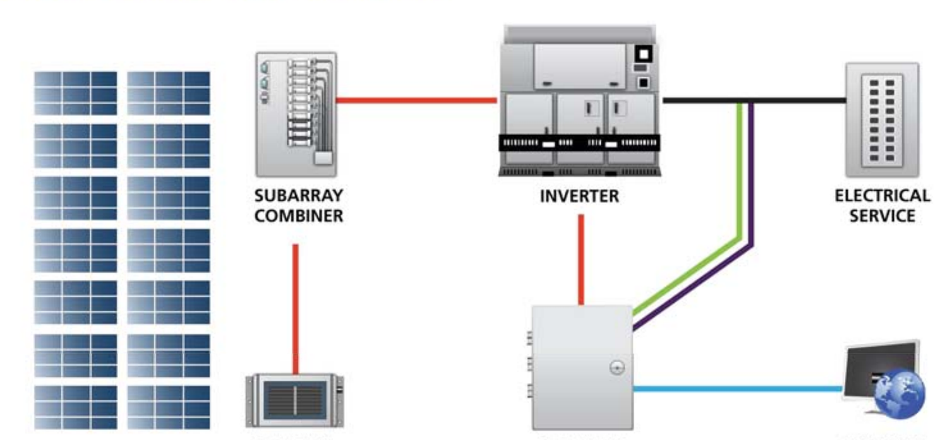
COMPLIANCE

- ANSI C12.20 Class 0.5 (Power Meter)
- CAN/CSA-C22.2 No. 14 listed Industrial Control Panel
- UL Listed 508A listed Industrial Control Panel

PHYSICAL	
Enclosure Rating	NEMA 4
Weight	30 lbs+
Dimensions	20" L x 16" W x 8" H
Environment	-30 C to 70 C, 95% RH, non-condensing

POWER METER	
Voltage Inputs	277/480V, 120/208V
Phases	Single phase, Split phase, Three phase at 50 or 60 Hz
Current Inputs	mV full scale output CTs

DIAGRAM: TYPICAL CONFIGURATION



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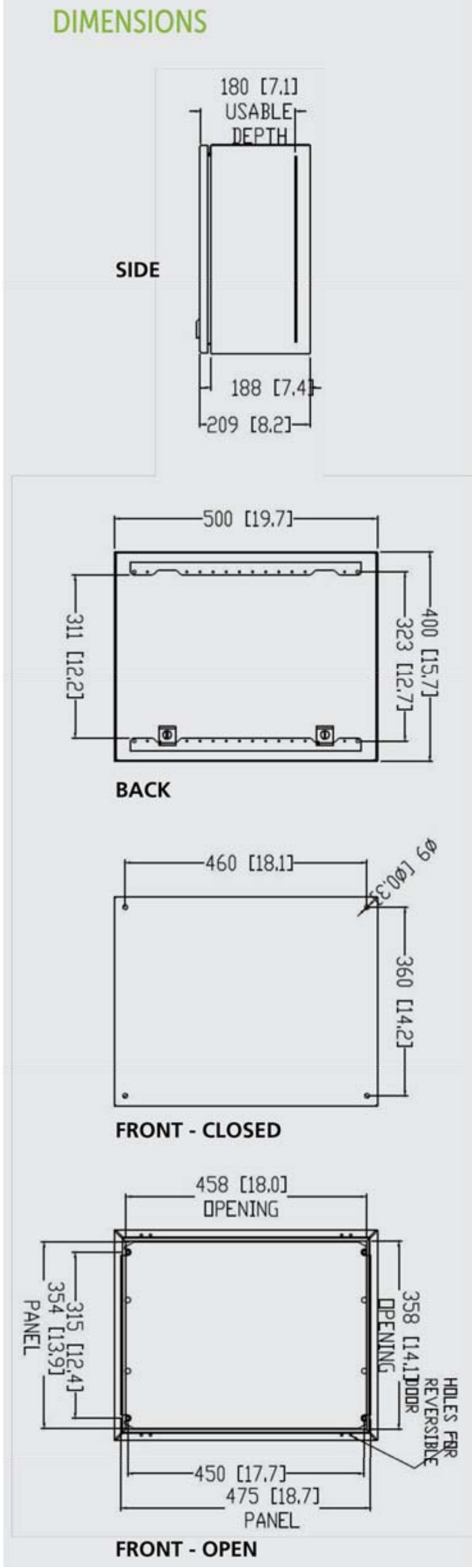
DIMENSIONS



SMA CLUSTER CONTROLLER

SMA

Easy to use
- Monitors and controls up to 75 string inverters
- Exchanges real-time data with other devices and systems using the standard Modbus® communications protocol

Versatile
- Complies with national and international requirements for grid integration
- Integrated analog and digital interfaces for sensors and active/reactive power setpoints

Professional
- Easy installation due to top-hat rail mounting and connectors
- Optimized for industrial use, thanks to a robust enclosure and high-quality components

Safe
- Immediate e-mail notification in the event of a failure
- Remote monitoring and maintenance over the integrated online interface and Sunny Portal

SMA CLUSTER CONTROLLER

Professional monitoring and controlling for decentralized large-scale PV plants

The SMA Cluster Controller is the ideal system solution for decentralized large-scale PV plants when combined with SMA's highly efficient string inverters. It offers reliable monitoring and control of up to 75 inverters, thanks to its Ethernet-based Speedwire fieldbus and high-performance, dual-core processor. Advantages of the SMA Cluster Controller include optimum data transmission rates for plant monitoring and fast processing of the measured values, status updates, and plant control commands. Furthermore, myriad sensor connection options allow for precise evaluation of plant power, which can also be viewed via the integrated online interface or Sunny Portal.

Technical data	SMA Cluster Controller
Communication	
Inverters	Speedwire, 10 / 100 Mbit/s
Data network (LAN)	Fast Ethernet, 10 / 100 Mbit/s
Data interfaces	HTTP, FTP, Modbus TCP/UDP, SMTP, Sunny Portal
Connections	
Inverters / data network (LAN)	2 Ports, 10BASE-T or 100BASE-TX, RJ45, switched
Data storage	2 USB 2.0 High-Speed sockets, Type A
Voltage supply / analog/digital signals	Connector, push-in cage clamp terminal
Max. number of SMA devices	
Speedwire	75
Max. communication range	
Speedwire / LAN	100 m (between two devices)
Voltage supply	
Voltage supply	External power supply unit (available as an accessory)
Input voltage	18 V DC ... 30 V DC
Power consumption	Typical 12 W / max. 30 W
Ambient conditions in operation	
Ambient temperature	−25 °C ... +60 °C (−13 °F ... +140 °F)
Relative air humidity	4 % ... 95 %, not condensing
Altitude above sea level	0 m ... 3000 m
Display	
Type	LC display, monochromatic, back-lit
Display languages	English, German
Memory	
Internal	1.7 GB as ring buffer
External	USB mass storage (optional, available as an accessory)
USB-Interfaces	
Quantity / specification / sockets	2 / USB 2.0 High-Speed / Type A
Digital inputs	
Quantity	8
Usage	Specification for active and reactive power
Analog inputs	
Quantity	3 x current signal, 1 x voltage signal
Measuring range	0 mA ... 20 mA or 0 V ... +10 V
Usage	Irradiation measurement, specification for active and reactive power or current/voltage measurement
Temperature Measurement	
Quantity / sensor type	2 / PT100 / PT1000 (two or four-cable connection)
Measuring range	−40 °C ... +85 °C (−40 °F ... +185 °F)
Usage	Measurement of ambient and module temperature
Digital outputs	
Quantity / design	3 / potential-free relay contacts
Max. load tolerance	48 V DC / 30 W
Usage	Error message, warning and active power limitation
Analog outputs	
Number / signal current	2 / 4 mA ... 20 mA
Usage	Feedback of the active and reactive power setpoints
General data	
Dimensions (W / H / D)	275 / 133 / 71 mm (10.8 / 5.2 / 2.8 inches)
Weight	0.9 kg (2.0 lb)
Installation site / degree of protection provided by enclosure	Indoor / IP20
Mounting type	Top-hat rail mounting
Status display	LC-Display, LEDs
Software languages, languages of the manual	German, English, Italian, Spanish, French, Dutch, Portuguese, Greek, Czech
Features	
Operation	Integrated web server, display, keypad
Clock	Real time clock (RTC) with maintenance-free buffering
Advanced functions using the Sunny Portal	Plant and yield monitoring, measured value processing, performance analyses, presentation, status reports, mobile data access
Warranty	5 years
Certificates and approvals	www.SMA-Solar.com
Accessories (optional)	
Top-hat rail power supply	Input: 100 V ... 240 V AC / 45 ... 65 Hz, Output: 24 V DC / 2.5 A
USB flash drive	4 GB or 8 GB, highly reliable industrial quality
Type designation	CLCON-10

Toll Free +1 888 4 SMA USA
www.SMA-America.com

SMA America, LL

PROJECT TITLE:

CAPURRO FARMS
2250 HIGHWAY 1
MOSS LANDING, CA 95035
APN: 413-011-029

ENGINEER'S STAMP

REGISTERED PROFESSIONAL ENGINEER — JEFFREY H. ANSLEY — Electrical — STATE OF CALIFORNIA

Enable energy
2543 Warren Drive, Rocklin CA 95677
844.717.0194 • License #990593

JOB NUMBER: 205268

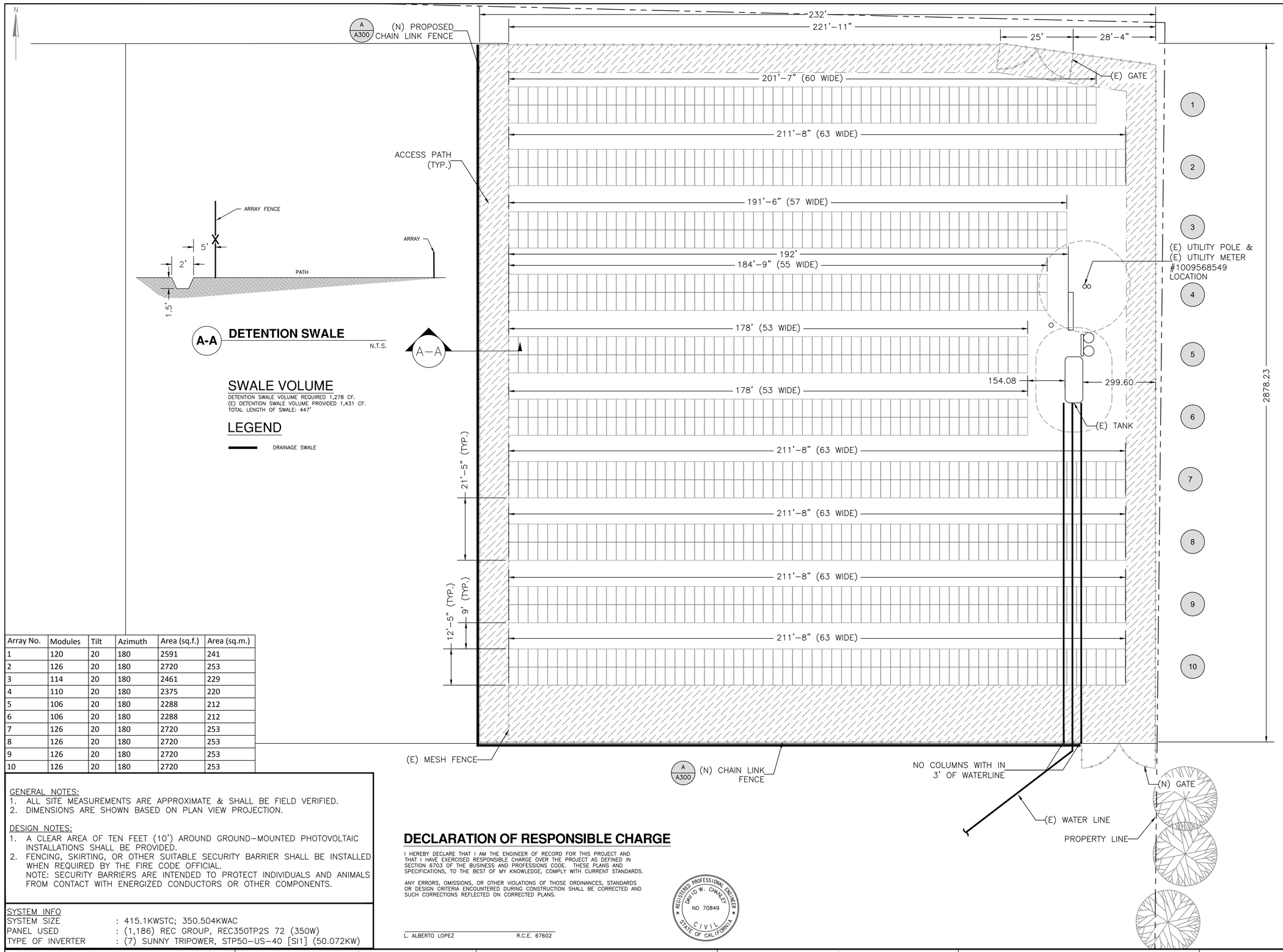
REVISIONS		
	DATE	ISSUE
A	22-NOV-17	FOR SUBMITTAL
B	20-FEB-18	FOR UTILITY SUBMITTAL
C	11-MAY-18	FOR PLANNING SUBMITTAL

PAPER SIZE:	ARCH D
DRAWN BY:	PP
CHECKED BY:	SAC
APPROVED BY:	JHA

SCALE: NTS

SHEET TITLE: SPEC SHEETS

SHEET #: E800



SWALE VOLUME

DETENTION SWALE VOLUME REQUIRED 1,278 CF.
(E) DETENTION SWALE VOLUME PROVIDED 1,431 CF.
TOTAL LENGTH OF SWALE: 447'

LEGEND

DRAINAGE SWALE

Array No.	Modules	Tilt	Azimuth	Area (sq.f.)	Area (sq.m.)
1	120	20	180	2591	241
2	126	20	180	2720	253
3	114	20	180	2461	229
4	110	20	180	2375	220
5	106	20	180	2288	212
6	106	20	180	2288	212
7	126	20	180	2720	253
8	126	20	180	2720	253
9	126	20	180	2720	253
10	126	20	180	2720	253

GENERAL NOTES:
1. ALL SITE MEASUREMENTS ARE APPROXIMATE & SHALL BE FIELD VERIFIED.
2. DIMENSIONS ARE SHOWN BASED ON PLAN VIEW PROJECTION.

DESIGN NOTES:
1. A CLEAR AREA OF TEN FEET (10') AROUND GROUND–MOUNTED PHOTOVOLTAIC INSTALLATIONS SHALL BE PROVIDED.
2. FENCING, SKIRTING, OR OTHER SUITABLE SECURITY BARRIER SHALL BE INSTALLED WHEN REQUIRED BY THE FIRE CODE OFFICIAL.
   NOTE: SECURITY BARRIERS ARE INTENDED TO PROTECT INDIVIDUALS AND ANIMALS FROM CONTACT WITH ENERGIZED CONDUCTORS OR OTHER COMPONENTS.

SYSTEM INFO
SYSTEM SIZE : 415.1KWSTC; 350.504KWAC
PANEL USED : (1,186) REC GROUP, REC350TP2S 72 (350W)
TYPE OF INVERTER : (7) SUNNY TRIPOWER, STP50–US–40 [SI1] (50.072KW)

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF RECORD FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE. THESE PLANS AND SPECIFICATIONS, TO THE BEST OF MY KNOWLEDGE, COMPLY WITH CURRENT STANDARDS.

ANY ERRORS, OMISSIONS, OR OTHER VIOLATIONS OF THOSE ORDINANCES, STANDARDS OR DESIGN CRITERIA ENCOUNTERED DURING CONSTRUCTION SHALL BE CORRECTED AND SUCH CORRECTIONS REFLECTED ON CORRECTED PLANS.

REGISTERED PROFESSIONAL ENGINEER
DAVID W. CHANLEY
NO 70849
CIVIL
STATE OF CALIFORNIA

L. ALBERTO LOPEZ R.C.E. 67602

DIVERSIFIED PROJECT SERVICES INTERNATIONAL
San Luis Obispo (805) 250-2891 Bakersfield, CA (661) 371-2800 Long Beach (562) 424-6400
□□□.dpsiinc.com

0 15' 30'

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CAPURRO FARMS
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MOSS LANDING, CA 95035
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REVISIONS

#	DATE	ISSUE
A	4/02/18	FOR REVIEW

PAPER SIZE:	ARCH D
DRAWN BY:	PP
CHECKED BY:	SAC
APPROVED BY:	JHA

SCALE: 1"=15'–0"

SHEET TITLE: DRAINAGE PLANS

SHEET #: C1