

GLENN COUNTY

Planning & Community Development Services Agency

225 North Tehama Street
Willows, CA 95988
530.934.6540
www.countyofglenn.net



Mardy Thomas, Director

CCE Construction, Inc.
668 N Coast Highway #272
Laguna Beach, CA 92651
(949) 632-8894
ben@conceptcleanenergy.com

January 29, 2024

RE: Site Plan Review 2023-010, CCE Construction Inc., Solar
APN: 024-100-017

To Whom It May Concern,

On December 27th 2023, the Glenn County Planning & Community Development Services Agency received your application for a Site Plan Review. This project is located in the "AE-40" (Exclusive Agriculture) zoning district and is an allowed use with an approved Site Plan Review.

On January 29, 2024, the Glenn County Planning & Community Development Services Agency approved the Site Plan Review. Included with the Staff Report is a copy of the Compliance Requirements.

Please sign the Compliance Requirements as indicated and return by email, or send to the Glenn County Planning & Community Development Services Agency, at 225 N Tehama Street, Willows, CA 95988.

Please note that this is not a building permit. For information on acquiring a building permit, contact the Glenn County Building Inspection Division at (530) 934-6546.

Sincerely,

Courtney Paget
Assistant Planner
cpaget@countyofglenn.net

GLENN COUNTY

Planning & Community Development Services Agency

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Mardy Thomas, Director

STAFF REPORT

DATE: January 29, 2024
TO: Mardy Thomas, Director
FROM: Courtney Paget, Assistant Planner
RE: **Site Plan Review 2023-010, CCE Construction Inc., Solar**

Attachments:

1. Compliance Requirement(s)
2. Agency Comments
3. Request for Review
4. Application Documents
5. Site Plan

1 PROJECT SUMMARY

CCE Construction Inc. has applied for SPR2023-010 to install a 501.43 DC grid tied solar photovoltaic solar array including 1,223 PV modules.

The project is located west of County Road M, north of County Road 30, south of County Road 27, and east of County Road 99 within the unincorporated area of Glenn County, California.

The Assessor's Parcel Number (APN) for the 273.07± acre property is 024-100-017. The site is zoned "AE-40" Exclusive Agricultural Zone (36-acre, minimum parcel size) and is designated "Intensive Agriculture" in the Glenn County General Plan.

1.1 RECOMMENDATIONS

Staff recommends that the Director find that this project qualifies as a statutory exemption within section 15268 of the California Environmental Quality Act.

Staff also recommends that the Director approve the Site Plan Review with the Findings as presented in the Staff Report and the Compliance Requirement as attached.

2 ANALYSES

The proposed project is consistent with the land use in this area. This area of Glenn County is agricultural and the proposed project is a permitted use with an approved Site Plan Review. A Site Plan Review is required prior to construction to ensure compliance with all the requirements of the Glenn County Code.

This proposal will not have significant accompanying traffic; the property is used for agriculture and will not be altered with this proposal. Surrounding county roads are reasonably adequate to safely accommodate the proposed project (Finding 5).

2.1 ENVIRONMENTAL DETERMINATION

This project as proposed is not anticipated to introduce potentially significant impacts to the environment.

Site plan reviews are statutorily exempt pursuant to Section 15268, "Ministerial Projects", of the Guidelines of the California Environmental Quality Act (CEQA). Article 18 (Statutory Exemptions), §15268 (a) & (c) (Ministerial Projects).

Site plan reviews, outlined in Section 25.13 of the Glenn County Code, are deemed a ministerial project within Glenn County Title 15, Unified Development Code (Title 15, Division 2, Part 1).

2.2 GENERAL PLAN AND ZONING CONSISTENCY

The site is designated “Intensive Agriculture” in the Glenn County General Plan and is zoned “AE-40” Exclusive Agricultural Zone (36-acre, minimum parcel size). The site is in an area of existing agricultural uses and the proposed solar array is a permitted use within the “AE-40” zone with an approved Site Plan Review (Glenn County Chapter 15.86.030.A.) (Finding 1). The proposal will not adversely affect the surrounding uses in the area and will not adversely affect the General Plan (Finding 4).

2.2.1 “AE” EXCLUSIVE AGRICULTURAL ZONE (Glenn County Code Chapter 15.86):

Permitted Uses (Glenn County Code §15.86.030)

A. Permits Required

The proposed solar array is over ½ acre in size. Solar arrays with a footprint larger than ½ (0.5) acre, but a footprint less than 5 acres (and an accessory use) require a Site Plan Review (§15.86.030.D).

G. General Requirements

All power generation uses allowed in an Agriculture or Williamson Act zoning district, as defined by Section 15.86.030.A, shall comply with Chapter 15.58 of this Title. The applicant has applied for a Site Plan Review as required by Section 15.86.030.A and provided all information necessary to review the proposal.

Maximum Building Height (Glenn County Code §15.33.060):

The peak height of the proposed structure is less than the maximum height requirement for the Exclusive Agriculture Zone of 35 feet per Glenn County Code §15.33.060.A.

Minimum Distance Between Structures (Glenn County Code §15.47.070):

There are other structures on the property but they exceed 100 feet from the project site; in addition, the Building Division reviews the plans to verify compliance with Glenn County Code §15.47.070.B.

Minimum Yard Requirements (Glenn County Code §15.33.080):

The proposed front, side, and rear yards exceed 30 feet; therefore, the minimum yard requirements for the Exclusive Agricultural Zone will be met.

2.3 GENERAL PROVISIONS

Flood Zone Designation:

The project is located within Flood Zone “X” (unshaded). 06021C0400D, dated August 4, 2010 issued by the Federal Emergency Management Agency (FEMA).

Flood Zone “X” (unshaded) consists of areas of minimal risk outside the 1-percent and 0.2-percent annual chance floodplains. No base flood elevations or base flood depths are shown within this zone.

Code Violations:

No records of violations were noted on the property; therefore, the proposed building and Site Plan Review are compliant with Glenn County Code §15.13.050.F (Finding 6).

2.5 AGENCY COMMENTS

Department of Conservation

The California Department of Conservation, Geologic Energy Management Division was provided the application information regarding the proposal and responded with the following:

Comment:

1. Our records indicate that there are 1 known oil or gas wells located within the project boundary as identified in the application.
2. To ensure that present and future property owners are aware of (a) the existence of all wells located on the property, and (b) potentially significant issues associated with any improvements near oil or gas wells, the Division recommends that information regarding the above identified well(s), and any other pertinent information obtained after the issuance of this letter, be communicated to the appropriate county recorder or inclusion in the title information of the subject real property.
3. The Division recommends that any soil containing hydrocarbons be disposed of in accordance with local, state, and federal laws. Please notify the appropriate authorities if soil containing significant amounts of hydrocarbons is discovered during development.

Environmental Health

The Glenn County Environmental Health Department was provided the application information regarding the proposal and recommended it be found complete for further processing. They also responded with the following:

Comment:

1. Ground mount solar array will be servicing an existing agriculture well pump.

Pacific Gas and Electric Company

Pacific Gas and Electric Company (PG&E) was provided the application information regarding the proposal and responded with the following impact statements.

Comment:

1. The proposed project’s plan is within the same vicinity of PG&E’s existing electric distribution facilities that impact this property. PG&E operates electric distribution facilities on this property. The Company intends to keep rights-of-way clear of all buildings and structures within **15** feet from either side of the pole line that might have an adverse effect on the Company facilities. Your proposed solar structure design may impact PG&E’s ability to maintain these facilities.

3 NOTICE TO APPLICANT/AGENT

This site plan review is not a building permit. It is the applicant's responsibility to secure the necessary permits in all affected federal, state, and local agencies and submit copies of such permits to the Planning & Community Development Services Agency.

If upon approval of this site plan review any problem, nuisance, or health hazard arises from the operation allowed by this review, the director shall determine the need to revise or modify the use or require additional Compliance Requirements.

In addition to the staff report and Compliance Requirement, the applicant's and his/her technical or project management representative's attention is directed to the attached memoranda from agencies reflecting their comments on reviewing the application. The items noted are a guide to assist in meeting the requirements of applicable government codes. Memoranda may also note any unusual circumstances that require special attention. The items listed are a guide and not intended to be a comprehensive summary of all codified requirements or site-specific requirements.

3.1 PERMIT ISSUANCE AND APPEAL PERIOD (GLENN COUNTY CODE §15.13.060)

Site plan reviews shall be effective upon issuance, unless within ten (10) calendar days of a decision by the Director, the decision is appealed as provided for in Section 15.05.010. In the case of an appeal being filed, the site plan review permit shall not have any force or effect until a decision is made by the Approving Authority on such an appeal.

Additionally, site plan review permit approvals shall not be valid until the permittee has agreed in writing to each term and requirement thereof.

4 FINDINGS

As described and found in this report, and in accordance with Glenn County Code Section 15.13.050.

Finding 1:

The proposed use is a permitted and allowed use in the "AE-40" zoning district.

Finding 2:

The site for the project is adequate in size, shape, location, and physical characteristics to accommodate the proposed project.

Finding 3:

Based on responsible agency review of the project, there are adequate public or private services, including but not limited to fire protection, water supply, sewage disposal, and storm drainage.

Finding 4:

The project is in conformance with the applicable provisions and policies of Title 15 of the Glenn County Code and the Glenn County General Plan.

Finding 5:

The county roads which serve the project are reasonably adequate to safely accommodate the proposed project.

Finding 6:

After searching county records, no violation of the Glenn County Code currently exists on the property.

COMPLIANCE REQUIREMENTS

Site Plan Review 2023-010, CCE Construction Inc.

Solar Array

APN: 024-100-017

Compliance Requirement: Site Plan

1. That the area of operation shall be confined to those areas as shown on the site plan as submitted and on file at the Glenn County Planning & Community Development Services Agency.

Compliance Requirement: California Department of Conservation, Geologic Energy Management Division

2. That any soil containing hydrocarbons be disposed of in accordance with local, state, and federal laws. That the appropriate authorities are notified if soil containing significant amounts of hydrocarbons is discovered during development.

Compliance Requirements: Pacific Gas and Electric Company

3. That the project site keeps the right-of-way clear of all buildings and structures within 15 feet of either side of the pole line.

Acknowledgment:

I hereby declare that I have read the foregoing requirements that they are in fact the requirements that were imposed upon the granting of this permit, and that I agree to abide fully by said conditions. Additionally, I have read the staff report and I am aware of codified county, state, and/or federal standards and regulation that shall be met with the granting of this permit.

Signature: _____ Date: _____

Ben Earl for CCE Construction INC, Applicant



December 27, 2023

Courtney Paget
County of Glenn
225 North Tehama St
Willows, CA95988

Ref: Gas and Electric Transmission and Distribution

Dear Courtney Paget,

Thank you for submitting SPR2023-10 plans for our review. PG&E will review the submitted plans in relationship to any existing Gas and Electric facilities within the project area. If the proposed project is adjacent/or within PG&E owned property and/or easements, we will be working with you to ensure compatible uses and activities near our facilities.

Attached you will find information and requirements as it relates to Gas facilities (Attachment 1) and Electric facilities (Attachment 2). Please review these in detail, as it is critical to ensure your safety and to protect PG&E's facilities and its existing rights.

Below is additional information for your review:

1. This plan review process does not replace the application process for PG&E gas or electric service your project may require. For these requests, please continue to work with PG&E Service Planning: https://www.pge.com/en_US/business/services/building-and-renovation/overview/overview.page.
2. If the project being submitted is part of a larger project, please include the entire scope of your project, and not just a portion of it. PG&E's facilities are to be incorporated within any CEQA document. PG&E needs to verify that the CEQA document will identify any required future PG&E services.
3. An engineering deposit may be required to review plans for a project depending on the size, scope, and location of the project and as it relates to any rearrangement or new installation of PG&E facilities.

Any proposed uses within the PG&E fee strip and/or easement, may include a California Public Utility Commission (CPUC) Section 851 filing. This requires the CPUC to render approval for a conveyance of rights for specific uses on PG&E's fee strip or easement. PG&E will advise if the necessity to incorporate a CPUC Section 851 filing is required.

This letter does not constitute PG&E's consent to use any portion of its easement for any purpose not previously conveyed. PG&E will provide a project specific response as required.

Sincerely,

Plan Review Team
Land Management

Attachment 1 – Gas Facilities

There could be gas transmission pipelines in this area which would be considered critical facilities for PG&E and a high priority subsurface installation under California law. Care must be taken to ensure safety and accessibility. So, please ensure that if PG&E approves work near gas transmission pipelines it is done in adherence with the below stipulations. Additionally, the following link provides additional information regarding legal requirements under California excavation laws: <https://www.usanorth811.org/images/pdfs/CA-LAW-2018.pdf>

1. **Standby Inspection:** A PG&E Gas Transmission Standby Inspector must be present during any demolition or construction activity that comes within 10 feet of the gas pipeline. This includes all grading, trenching, substructure depth verifications (potholes), asphalt or concrete demolition/removal, removal of trees, signs, light poles, etc. This inspection can be coordinated through the Underground Service Alert (USA) service at 811. A minimum notice of 48 hours is required. Ensure the USA markings and notifications are maintained throughout the duration of your work.
2. **Access:** At any time, PG&E may need to access, excavate, and perform work on the gas pipeline. Any construction equipment, materials, or spoils may need to be removed upon notice. Any temporary construction fencing installed within PG&E's easement would also need to be capable of being removed at any time upon notice. Any plans to cut temporary slopes exceeding a 1:4 grade within 10 feet of a gas transmission pipeline need to be approved by PG&E Pipeline Services in writing PRIOR to performing the work.
3. **Wheel Loads:** To prevent damage to the buried gas pipeline, there are weight limits that must be enforced whenever any equipment gets within 10 feet of traversing the pipe.

Ensure a list of the axle weights of all equipment being used is available for PG&E's Standby Inspector. To confirm the depth of cover, the pipeline may need to be potholed by hand in a few areas.

Due to the complex variability of tracked equipment, vibratory compaction equipment, and cranes, PG&E must evaluate those items on a case-by-case basis prior to use over the gas pipeline (provide a list of any proposed equipment of this type noting model numbers and specific attachments).

No equipment may be set up over the gas pipeline while operating. Ensure crane outriggers are at least 10 feet from the centerline of the gas pipeline. Transport trucks must not be parked over the gas pipeline while being loaded or unloaded.

4. **Grading:** PG&E requires a minimum of 36 inches of cover over gas pipelines (or existing grade if less) and a maximum of 7 feet of cover at all locations. The graded surface cannot exceed a cross slope of 1:4.
5. **Excavating:** Any digging within 2 feet of a gas pipeline must be dug by hand. Note that while the minimum clearance is only 24 inches, any excavation work within 24 inches of the edge of a pipeline must be done with hand tools. So to avoid having to dig a trench entirely with hand tools, the edge of the trench must be over 24 inches away. (Doing the math for a 24 inch



wide trench being dug along a 36 inch pipeline, the centerline of the trench would need to be at least 54 inches [$24/2 + 24 + 36/2 = 54$] away, or be entirely dug by hand.)

Water jetting to assist vacuum excavating must be limited to 1000 psig and directed at a 40° angle to the pipe. All pile driving must be kept a minimum of 3 feet away.

Any plans to expose and support a PG&E gas transmission pipeline across an open excavation need to be approved by PG&E Pipeline Services in writing PRIOR to performing the work.

6. Boring/Trenchless Installations: PG&E Pipeline Services must review and approve all plans to bore across or parallel to (within 10 feet) a gas transmission pipeline. There are stringent criteria to pothole the gas transmission facility at regular intervals for all parallel bore installations.

For bore paths that cross gas transmission pipelines perpendicularly, the pipeline must be potholed a minimum of 2 feet in the horizontal direction of the bore path and a minimum of 24 inches in the vertical direction from the bottom of the pipe with minimum clearances measured from the edge of the pipe in both directions. Standby personnel must watch the locator trace (and every ream pass) the path of the bore as it approaches the pipeline and visually monitor the pothole (with the exposed transmission pipe) as the bore traverses the pipeline to ensure adequate clearance with the pipeline. The pothole width must account for the inaccuracy of the locating equipment.

7. Substructures: All utility crossings of a gas pipeline should be made as close to perpendicular as feasible ($90^\circ \pm 15^\circ$). All utility lines crossing the gas pipeline must have a minimum of 24 inches of separation from the gas pipeline. Parallel utilities, pole bases, water line 'kicker blocks', storm drain inlets, water meters, valves, back pressure devices or other utility substructures are not allowed in the PG&E gas pipeline easement.

If previously retired PG&E facilities are in conflict with proposed substructures, PG&E must verify they are safe prior to removal. This includes verification testing of the contents of the facilities, as well as environmental testing of the coating and internal surfaces. Timelines for PG&E completion of this verification will vary depending on the type and location of facilities in conflict.

8. Structures: No structures are to be built within the PG&E gas pipeline easement. This includes buildings, retaining walls, fences, decks, patios, carports, septic tanks, storage sheds, tanks, loading ramps, or any structure that could limit PG&E's ability to access its facilities.

9. Fencing: Permanent fencing is not allowed within PG&E easements except for perpendicular crossings which must include a 16 foot wide gate for vehicular access. Gates will be secured with PG&E corporation locks.

10. Landscaping: Landscaping must be designed to allow PG&E to access the pipeline for maintenance and not interfere with pipeline coatings or other cathodic protection systems. No trees, shrubs, brush, vines, and other vegetation may be planted within the easement area. Only those plants, ground covers, grasses, flowers, and low-growing plants that grow unsupported to a maximum of four feet (4') in height at maturity may be planted within the easement area.



11. Cathodic Protection: PG&E pipelines are protected from corrosion with an “Impressed Current” cathodic protection system. Any proposed facilities, such as metal conduit, pipes, service lines, ground rods, anodes, wires, etc. that might affect the pipeline cathodic protection system must be reviewed and approved by PG&E Corrosion Engineering.

12. Pipeline Marker Signs: PG&E needs to maintain pipeline marker signs for gas transmission pipelines in order to ensure public awareness of the presence of the pipelines. With prior written approval from PG&E Pipeline Services, an existing PG&E pipeline marker sign that is in direct conflict with proposed developments may be temporarily relocated to accommodate construction work. The pipeline marker must be moved back once construction is complete.

13. PG&E is also the provider of distribution facilities throughout many of the areas within the state of California. Therefore, any plans that impact PG&E’s facilities must be reviewed and approved by PG&E to ensure that no impact occurs which may endanger the safe operation of its facilities.

Attachment 2 – Electric Facilities

It is PG&E's policy to permit certain uses on a case by case basis within its electric transmission fee strip(s) and/or easement(s) provided such uses and manner in which they are exercised, will not interfere with PG&E's rights or endanger its facilities. Some examples/restrictions are as follows:

1. Buildings and Other Structures: No buildings or other structures including the foot print and eave of any buildings, swimming pools, wells or similar structures will be permitted within fee strip(s) and/or easement(s) areas. PG&E's transmission easement shall be designated on subdivision/parcel maps as **"RESTRICTED USE AREA – NO BUILDING."**
2. Grading: Cuts, trenches or excavations may not be made within 25 feet of our towers. Developers must submit grading plans and site development plans (including geotechnical reports if applicable), signed and dated, for PG&E's review. PG&E engineers must review grade changes in the vicinity of our towers. No fills will be allowed which would impair ground-to-conductor clearances. Towers shall not be left on mounds without adequate road access to base of tower or structure.
3. Fences: Walls, fences, and other structures must be installed at locations that do not affect the safe operation of PG&E's facilities. Heavy equipment access to our facilities must be maintained at all times. Metal fences are to be grounded to PG&E specifications. No wall, fence or other like structure is to be installed within 10 feet of tower footings and unrestricted access must be maintained from a tower structure to the nearest street. Walls, fences and other structures proposed along or within the fee strip(s) and/or easement(s) will require PG&E review; submit plans to PG&E Centralized Review Team for review and comment.
4. Landscaping: Vegetation may be allowed; subject to review of plans. On overhead electric transmission fee strip(s) and/or easement(s), trees and shrubs are limited to those varieties that do not exceed 10 feet in height at maturity. PG&E must have access to its facilities at all times, including access by heavy equipment. No planting is to occur within the footprint of the tower legs. Greenbelts are encouraged.
5. Reservoirs, Sumps, Drainage Basins, and Ponds: Prohibited within PG&E's fee strip(s) and/or easement(s) for electric transmission lines.
6. Automobile Parking: Short term parking of movable passenger vehicles and light trucks (pickups, vans, etc.) is allowed. The lighting within these parking areas will need to be reviewed by PG&E; approval will be on a case by case basis. Heavy equipment access to PG&E facilities is to be maintained at all times. Parking is to clear PG&E structures by at least 10 feet. Protection of PG&E facilities from vehicular traffic is to be provided at developer's expense AND to PG&E specifications. Blocked-up vehicles are not allowed. Carports, canopies, or awnings are not allowed.
7. Storage of Flammable, Explosive or Corrosive Materials: There shall be no storage of fuel or combustibles and no fueling of vehicles within PG&E's easement. No trash bins or incinerators are allowed.



8. Streets and Roads: Access to facilities must be maintained at all times. Street lights may be allowed in the fee strip(s) and/or easement(s) but in all cases must be reviewed by PG&E for proper clearance. Roads and utilities should cross the transmission easement as nearly at right angles as possible. Road intersections will not be allowed within the transmission easement.

9. Pipelines: Pipelines may be allowed provided crossings are held to a minimum and to be as nearly perpendicular as possible. Pipelines within 25 feet of PG&E structures require review by PG&E. Sprinklers systems may be allowed; subject to review. Leach fields and septic tanks are not allowed. Construction plans must be submitted to PG&E for review and approval prior to the commencement of any construction.

10. Signs: Signs are not allowed except in rare cases subject to individual review by PG&E.

11. Recreation Areas: Playgrounds, parks, tennis courts, basketball courts, barbecue and light trucks (pickups, vans, etc.) may be allowed; subject to review of plans. Heavy equipment access to PG&E facilities is to be maintained at all times. Parking is to clear PG&E structures by at least 10 feet. Protection of PG&E facilities from vehicular traffic is to be provided at developer's expense AND to PG&E specifications.

12. Construction Activity: Since construction activity will take place near PG&E's overhead electric lines, please be advised it is the contractor's responsibility to be aware of, and observe the minimum clearances for both workers and equipment operating near high voltage electric lines set out in the High-Voltage Electrical Safety Orders of the California Division of Industrial Safety (<https://www.dir.ca.gov/Title8/sb5g2.html>), as well as any other safety regulations. Contractors shall comply with California Public Utilities Commission General Order 95 (http://www.cpuc.ca.gov/gos/GO95/go_95_startup_page.html) and all other safety rules. No construction may occur within 25 feet of PG&E's towers. All excavation activities may only commence after 811 protocols has been followed.

Contractor shall ensure the protection of PG&E's towers and poles from vehicular damage by (installing protective barriers) Plans for protection barriers must be approved by PG&E prior to construction.

13. PG&E is also the owner of distribution facilities throughout many of the areas within the state of California. Therefore, any plans that impact PG&E's facilities must be reviewed and approved by PG&E to ensure that no impact occurs that may endanger the safe and reliable operation of its facilities.

GLENN COUNTY

Planning & Community Development Services Agency Environmental Health Department

225 N Tehama St.
Willows, CA 95988
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www.countyofglenn.net



Mardy Thomas, Director

Date: December 28, 2023

To: Courtney Paget, Assistant Planner
Planning & Community Development Services Agency (PCDSA)
(Via Email)

From: Kevin Backus, REHS
Director, PCDSA - Environmental Health Department

Re: Site Plan Review 2023-010, APN 024-100-017, CCE Construction, (Solar)

We have reviewed the application information for the project noted above and recommend it be found complete for further processing. We have the following comments:

1. Ground mount solar array will be servicing an existing agriculture well pump.

Please contact Environmental Health at 530-934-6102 with any questions on this matter.



12/29/2023

County: Glenn - Glenn County Planning & Community Development Services Agency
Courtney Paget
225 North Tehama Street, Willows, CA 95988, USA
cpaget@countyofglenn.net

Construction Site Well Review (CSWR) ID: 1012940

Assessor Parcel Number(s): 0241000170

Property Owner(s): Alcatraz Farming

Project Location Address: 6569 County Rd 27 Orland, California 95963

Project Title: SPR2023-010, CCE Construction, Solar

Public Resources Code (PRC) § 3208.1 establishes well reabandonment responsibility when a previously plugged and abandoned well will be impacted by planned property development or construction activities. Local permitting agencies, property owners, and/or developers should be aware of, and fully understand, that significant and potentially dangerous issues may be associated with development near oil, gas, and geothermal wells.

The California Geologic Energy Management Division (CalGEM) has received and reviewed the above referenced project dated 12/27/2023. To assist local permitting agencies, property owners, and developers in making wise land use decisions regarding potential development near oil, gas, or geothermal wells, the Division provides the following well evaluation.

The project is located in Glenn County, within the boundaries of the following fields:

Any Field

Our records indicate there are 1 known oil or gas wells located within the project boundary as identified in the application.

- Number of wells Not Abandoned to Current Division Requirements as Prescribed by Law and Projected to Be Built Over or Have Future Access Impeded by this project: 0
- Number of wells Not Abandoned to Current Division Requirements as Prescribed by Law and Not Projected to Be Built Over or Have Future Access Impeded by this project: 1
- Number of wells Abandoned to Current Division Requirements as Prescribed by Law and Projected to Be Built Over or Have Future Access Impeded by this project: 0
- Number of wells Abandoned to Current Division Requirements as Prescribed by Law and Not Projected to Be Built Over or Have Future Access Impeded by this project: 0

The Division categorically advises against building over, or in any way impeding access to, oil, gas, or geothermal wells. Impeding access to a well could result in the need to remove any structure or obstacle that prevents or impedes access including, but not limited to, buildings, housing, fencing, landscaping, trees, pools, patios, sidewalks, roadways, and decking. Maintaining sufficient access is considered the ability for a well servicing unit and associated necessary equipment to reach a well from a public street or access way, solely over the parcel on which the well is located. A well servicing unit, and any necessary equipment, should be able to pass unimpeded along and over the route, and should be able to access the well without disturbing the integrity of surrounding infrastructure.

There are no guarantees a well abandoned in compliance with current Division requirements as prescribed by law will not start leaking in the future. It always remains a possibility that any well may start to leak oil, gas, and/or water after abandonment, no matter how thoroughly the well was plugged and abandoned. The Division acknowledges wells plugged and abandoned to the most current Division requirements as prescribed by law have a lower probability of leaking in the future, however there is no guarantees that such abandonments will not leak.

The Division advises that all wells identified on the development parcel prior to, or during, development activities be tested for liquid and gas leakage. Surveyed locations should be provided to the Division in Latitude and Longitude, NAD 83 decimal format. The Division expects any wells found leaking to be reported to it immediately.

Failure to plug and reabandon the well may result in enforcement action, including an order to perform reabandonment well work, pursuant to PRC § 3208.1, and 3224.

PRC § 3208.1 give the Division the authority to order or permit the re-abandonment of any well where it has reason to question the integrity of the previous abandonment, or if the well is not accessible or visible. Responsibility for re-abandonment costs may be affected by the choices made by the local

permitting agency, property owner, and/or developer in considering the general advice set forth in this letter. The PRC continues to define the person or entity responsible for reabandonment as:

1. The property owner - If the well was plugged and abandoned in conformance with Division requirements at the time of abandonment, and in its current condition does not pose an immediate danger to life, health, and property, but requires additional work solely because the owner of the property on which the well is located proposes construction on the property that would prevent or impede access to the well for purposes of remedying a currently perceived future problem, then the owner of the property on which the well is located shall obtain all rights necessary to reabandon the well and be responsible for the reabandonment.
2. The person or entity causing construction over or near the well - If the well was plugged and abandoned in conformance with Division requirements at the time of plugging and abandonment, and the property owner, developer, or local agency permitting the construction failed either to obtain an opinion from the supervisor or district deputy as to whether the previously abandoned well is required to be reabandoned, or to follow the advice of the supervisor or district deputy not to undertake the construction, then the person or entity causing the construction over or near the well shall obtain all rights necessary to reabandon the well and be responsible for the reabandonment.
3. The party or parties responsible for disturbing the integrity of the abandonment - If the well was plugged and abandoned in conformance with Division requirements at the time of plugging and abandonment, and after that time someone other than the operator or an affiliate of the operator disturbed the integrity of the abandonment in the course of developing the property, then the party or parties responsible for disturbing the integrity of the abandonment shall be responsible for the reabandonment.

No well work may be performed on any oil, gas, or geothermal well without written approval from the Division. Well work requiring approval includes, but is not limited to, mitigating leaking gas or other fluids from abandoned wells, modifications to well casings, and/or any other re-abandonment work. The Division also regulates the top of a plugged and abandoned well's minimum and maximum depth below final grade. CCR §1723.5 states well casings shall be cut off at least 5 feet but no more than 10 feet below grade. If any well needs to be lowered or raised (i.e. casing cut down or casing riser added) to meet this regulation, a permit from the Division is required before work can start.

The Division makes the following additional recommendations to the local permitting agency, property owner, and developer:

1. To ensure that present and future property owners are aware of (a) the existence of all wells located on the property, and (b) potentially significant issues associated with any improvements

near oil or gas wells, the Division recommends that information regarding the above identified well(s), and any other pertinent information obtained after the issuance of this letter, be communicated to the appropriate county recorder for inclusion in the title information of the subject real property.

2. The Division recommends that any soil containing hydrocarbons be disposed of in accordance with local, state, and federal laws. Please notify the appropriate authorities if soil containing significant amounts of hydrocarbons is discovered during development.

As indicated in PRC § 3106, the Division has statutory authority over the drilling, operation, maintenance, and abandonment of oil, gas, and geothermal wells, and attendant facilities, to prevent, as far as possible, damage to life, health, property, and natural resources; damage to underground oil, gas, and geothermal deposits; and damage to underground and surface waters suitable for irrigation or domestic purposes. In addition to the Division's authority to order work on wells pursuant to PRC §§ 3208.1 and 3224, it has authority to issue civil and criminal penalties under PRC §§ 3236, 3236.5, and 3359 for violations within the Division's jurisdictional authority. The Division does not regulate grading, excavations, or other land use issues.

If during development activities, any wells are encountered that were not part of this review, the property owner is expected to immediately notify the Division's construction site well review engineer in the Northern district office, and file for Division review an amended site plan with well casing diagrams. The District office will send a follow-up well evaluation letter to the property owner and local permitting agency.

Should you have any questions, please contact me at (805) 937-7246 or via email at Trey.Powell@conservation.ca.gov.

Sincerely,

Trey Powell
Northern District Deputy

cc: Courtney Paget - Plan Checker
cc: Alcatraz Farming - Property Owner

Wells Not Abandoned to Current Division Requirements as Prescribed by Law & Not Projected to be Built Over or Have Future Access Impeded

The wells listed below are not abandoned to current Division requirements as prescribed by law, and based upon information provided, are not projected to be built over or have future access impeded.

API	Well Designation	Operator	Well Evaluations
0402120061	Rehse 1	Anacapa Oil Corporation	Well does not meet the requirements of § 1723.2. Plugging for Freshwater Protection.

January 4, 2024

Courtney Paget
County of Glenn
225 North Tehama St
Willows, CA95988

Re: SPR2023-010 CCE Construction Inc. Solar
6569 & 6571 County Road 27, Orland, CA 95963

Dear Courtney Paget,

Thank you for giving us the opportunity to review the subject plans. The proposed SPR2023-10 plan is within the same vicinity of PG&E's existing electric distribution facilities that impact this property.

PG&E operates electric distribution facilities on this property (APN: 024-100-017-000). The Company intends to keep rights-of-way clear of all buildings and structures within **15** feet from either side of the pole line that might have an adverse effect on Company facilities.

Your proposed solar structure design may impact PG&E's ability to maintain these facilities.

Please contact the Building and Renovation Center (BRSC) for facility map requests by calling 1-877-743-7782 and PG&E's Service Planning department at www.pge.com/cco for any modification or relocation requests, or for any additional services you may require.

As a reminder, before any digging or excavation occurs, please contact Underground Service Alert (USA) by dialing 811 a minimum of 2 working days prior to commencing any work. This free and independent service will ensure that all existing underground utilities are identified and marked on-site.

If you have any questions regarding our response, please contact me at Brian.Callaghan@pge.com.

Sincerely,



Brian Callaghan
Land Management
(925) 204-4074



PUBLIC WORKS AGENCY

P.O. Box 1070 / 777 N. Colusa Street
Willows, CA 95988

Airports
Engineering
Flood Control
Roads & Bridges
Solid Waste
Surveyor

Donald Rust, Director

January 9, 2024

Glenn County Planning and
Community Development Services
225 N. Tehama Street
Willows, CA 95988

Attn: Courtney Paget, Assistant Planner

Subject: Site Plan Review 2023-010 – CCE

Comments

None

Conditions

None

Michael Biggs
Engineering Technician III
Glenn County Public Works

GLENN COUNTY

Planning & Community Development Services Agency

225 North Tehama Street
Willows, CA 95988
530.934.6540
www.countyofglenn.net



Mardy Thomas, Director

REQUEST FOR REVIEW

COUNTY DEPARTMENTS/DISTRICTS

- Glenn County Agricultural Commissioner
- Glenn County Air Pollution Control District/CUPA
- Glenn County Assessor
- Glenn County Building Inspector
- Glenn County Engineering & Surveying Division
- Glenn County Environmental Health Department
- Glenn County Sheriff's Department
- Glenn County Board of Supervisors
- Glenn County Counsel
- Glenn County Planning Commission
- Glenn LAFCO

FEDERAL AGENCIES

- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- U.S. Department of Agriculture
- U.S. Bureau of Reclamation – Willows

OTHER

- Western Area Power Administration
- Sacramento River National Wildlife Refuge
- City of:
- Community Services District:
- Pacific Gas and Electric Company (PG&E)
- Fire Protection District: Artois
- Glenn County Resource Conservation District
- School District:

STATE AGENCIES

- Central Valley Flood Protection Board
- Central Valley Regional Water Quality Control Board (RWQCB)
- State Water Resources Control Board – Division of Drinking Water
- Department of Alcoholic Beverage Control (ABC)
- Department of Conservation, Division of Land Resource Protection
- Department of Conservation, Office of Mine Reclamation (OMR)
- Dept. of Conservation, Division of Oil, Gas, and Geothermal Resources
- Department of Fish and Wildlife
- Department of Food and Agriculture
- Department of Forestry and Fire Protection (Cal Fire)
- Department of Housing and Community Development (HCD)
- Department of Public Health
- Department of Toxic Substances Control (DTSC)
- Department of Transportation (Caltrans)
- Department of Water Resources (DWR)
- Office of the State Fire Marshal
- CalRecycle

- NE Center of the CA Historical Resources Information System
- Railroad:
- Reclamation District:
- Water/Irrigation District:
- Special District:
- Tehama-Colusa Canal Authority
- UC Cooperative Extension Office

DATE: December 27, 2023

PROPOSAL: **Site Plan Review 2023-010, CCE Construction, Solar**

PLANNER: Courtney Paget, Assistant Planner
cpaget@countyofglenn.net

APPLICANT: CCE Construction, Inc.
668 N Coast Highway #272
Laguna Beach, CA 92651
(949) 632-8894
ben@conceptcleanenergy.com

LANDOWNER: Alcatraz Farming, Inc.
PO Box 875
Kentfield, CA 94914

ENGINEER: Mayfield Renewables
(315) 796-6567
nick@mayfield.energy

PROPOSAL: **Site Plan Review 2023-010, CCE Construction Inc., Solar**
CCE Construction Inc. has applied for SPR2023-0010 to install a 501.43 DC grid tied solar photovoltaic system at the Violich Farms Inc. This is a ground mount solar array with 1223 PV modules, will be servicing an existing well pump, and be 42,077 square feet in total.

LOCATION: The project is located west of County Road M, north of County Road 30, south of County Road 27, and east of County Road 99 within the unincorporated area of Glenn County, California.

APN: 024-100-017; (273.07± Acres)

ZONING: "AE-40," Exclusive Agricultural Zone

GENERAL PLAN: "Intensive Agriculture"

FLOOD ZONE: The project is located within Flood Zone "X" (unshaded). 06021C0400D, dated August 4, 2010 issued by the Federal Emergency Management Agency (FEMA). Flood Zone "X" (unshaded) consists of areas of minimal risk outside the 1-percent and 0.2-percent annual chance floodplains. No base flood elevations or base flood depths are shown within this zone.

The Glenn County Planning Division is requesting comments on this proposal for determination of completeness, potential constraints, and/or proposed Compliance Requirement. If comments are not received by **Tuesday, January 9, 2024**, it is assumed that there are no specific comments to be included in the analysis of the project. Comments submitted by e-mail are acceptable. Thank you for considering this matter.

AGENCY COMMENTS:

Please consider the following:

1. Is the information in the application complete enough to analyze impacts and conclude review?
2. Comments may include project-specific code requirements unique to the project. Cite code section and document (i.e., General Plan, Subdivision Map Act, etc.).
3. What are the recommended Compliance Requirements for this project and justification for each Requirement? When should each Compliance Requirement be accomplished (i.e., prior to any construction at the site, prior to recording the parcel map, filing the Final Map, or issuance of a Certificate of Occupancy, etc.)?

Date Submitted: _____

**GLENN COUNTY
PLANNING AND COMMUNITY
DEVELOPMENT SERVICES AGENCY**
225 North Tehama Street
Willows, CA 95988
(530) 934-6540
planning@countyofglenn.net

APPLICATION FOR SITE PLAN REVIEW

NOTE: FAILURE TO ANSWER APPLICABLE QUESTIONS AND REQUIRED ATTACHMENTS COULD DELAY THE PROCESSING OF YOUR APPLICATION.

1. Applicant(s):

Name: CCE CONSTRUCTION INC

Address: 668 N COAST HIGHWAY #272. LAGUNA BEACH, CA 92651

Phone: 949-632-8894 E-Mail: ben@conceptcleanenergy.com

2. Property Owner(s):

Name: ALCATRAZ FARMING INC

Address: PO BOX 875 KENTFIELD, CA. 94914

Phone: 949-632-8894 E-Mail: ben@conceptcleanenergy.com

3. Engineer/Person who Prepared Site Plan (if applicable):

Name: MAYFIELD RENEWABLES. (NICK KIRK & BRIAN BRUGGEMAN)

Address: _____

Phone: 315-796-5657 E-Mail: nick@mayfield.energy

4. Name and address of property owner's duly authorized agent (if applicable) who is to be furnished with notice of hearing (§65091 California Government Code).

Name: CCE CONSTRUCTION INC.

Mailing Address: 668 N COAST HIGHWAY #272. LAGUNA BEACH, CA 92651

5. Existing Use of Property: AGRICULTURAL
6. Request or Proposal: INSTALLATION OF A 501.43 DC GRID TIED SOLAR PHOTOVOLTAIC (PV) SYSTEM AT THE VIOLICH FARMS INC AGRICULTURAL PROPERTY. THIS IS A GROUND MOUNT SOLAR ARRAY WITH (1223) PV MODULES. THIS SOLAR ARRAY WILL BE SERVICING AN EXISTING WELL PUMP IN THE AG FIELD.
7. Address and Location of Project: 6569/6571 COUNTY RD 27 ORLAND, CA 95963
8. Current Assessor's Parcel Number(s): 024-100-017-000
9. Existing Zoning (<http://gis.gcppwa.net/zoning/>): AG
10. Provide any additional information that may be helpful in evaluating your proposal. *Example - number of employees, hours of operation, number of truck deliveries/loadings per day:*
THIS IS A PASSIVE SOLAR ARRAY WITH NO EMPLOYEES AND NO TRUCK DELIVERIES.
11. Setback Dimensions (Distance from property line to proposed structure):
North: NA ft. South: NA ft.
East: NA ft. West: NA ft.
Other Setback/s: NA ft.
12. Provide the following information:
Size of Assessor Parcel: NA sq.ft. NA acres
Mean height of structure: NA ft. Peak height of structure: NA ft.
Dimensions of proposed including overhangs: NA ft. x NA ft.
Total Square Footage (Existing): NA sq.ft.
Total Square Footage (Proposed): NA sq.ft.

DECLARATION UNDER PENALTY OF PERJURY

(Must be signed by Applicant(s) and Property Owner(s))
(Additional sheets may be necessary)

The Applicant(s) and/or Property Owner(s), by signing this application, shall be deemed to have agreed to defend, indemnify, release and hold harmless the County, its agents, officers, attorneys, employees, boards and commissions from any claim, action or proceeding brought against the foregoing individuals or entities, the purpose of which is to attack, set aside, void or null the approval of this development entitlement or approval or certification of the environmental document which accompanies it, or to obtain damages relating to such action(s). This indemnification agreement shall include, but not be limited to, damages, costs expenses, attorney fees or expert witness fees that may be asserted by any person or entity, including the applicant, arising out of or in connection with the approval of the entitlement whether or not there is concurrent passive or active negligence on the part of the County.

Applicant(s):

Signed: Bryan R. Earl

Print: BEN EARL FOR CCE CONSTRUCTION INC.

Date: 12-12-23

Address: 668 N COAST HIGHWAY #272 LAGUNA BEACH, CA 92651

I am (We are) the owner(s) of property involved in this application and I (We) have completed this application and all other documents required.

I am (We are) the owner(s) of the property involved in this application and I (We) acknowledge the preparation and submission of this application.

I (We) declare under penalty of perjury that the foregoing is true and correct.

Property Owner(s):

Signed: _____

Print: _____

Date: _____

Address: _____

VIOLICH FARMS INC. GREENWOOD, NORTHSTATE SERVICE 501.430kW DC GRID-TIE SOLAR ELECTRIC SYSTEM 6545-6540 CO RD 27 ORLAND, CA 95963

CONCEPT
CLEAN ENERGY
668 N. COAST HWY.,
STE 272
LAGUNA BEACH, CA
92651
L#: 1042800

STAMP:

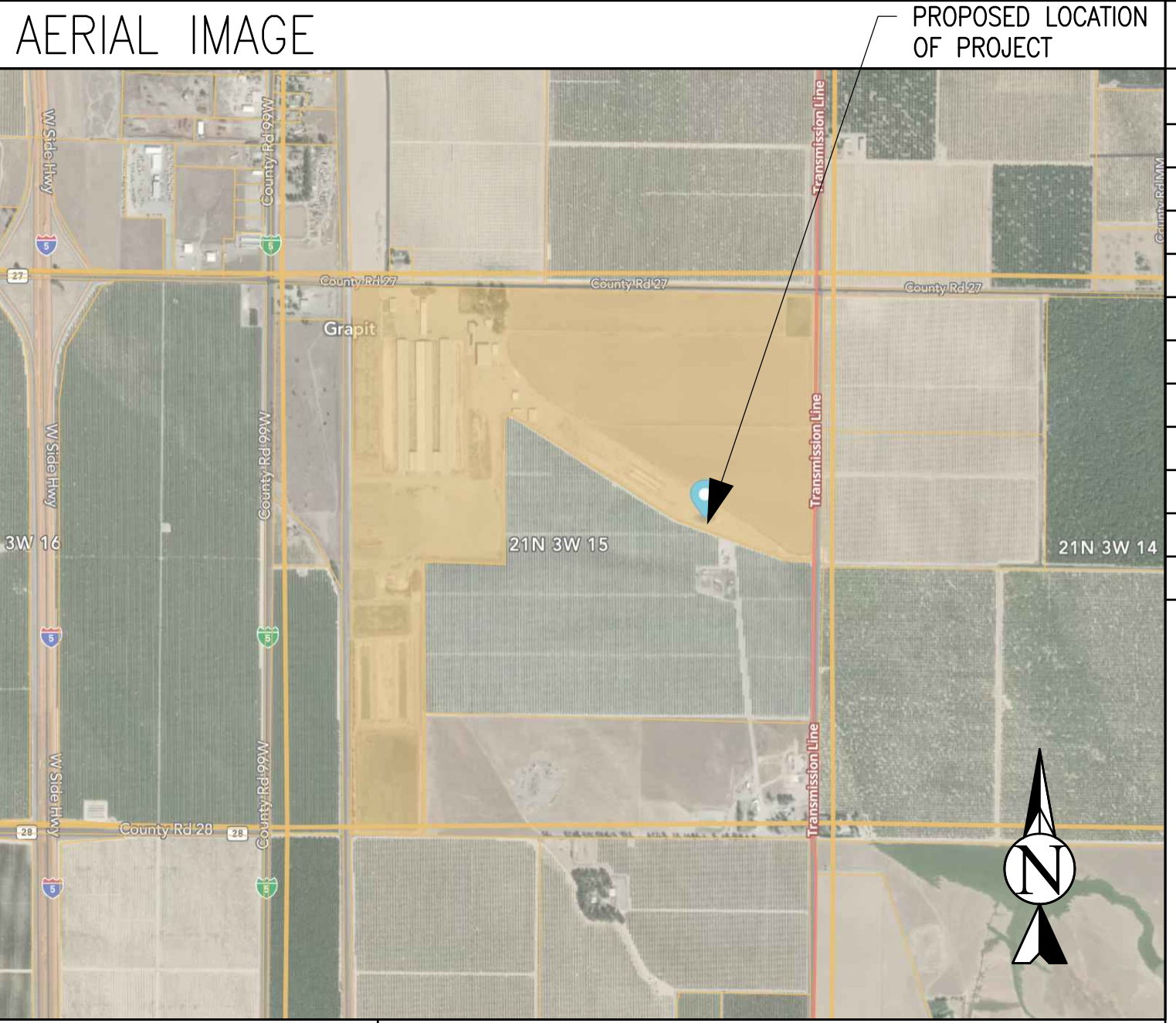
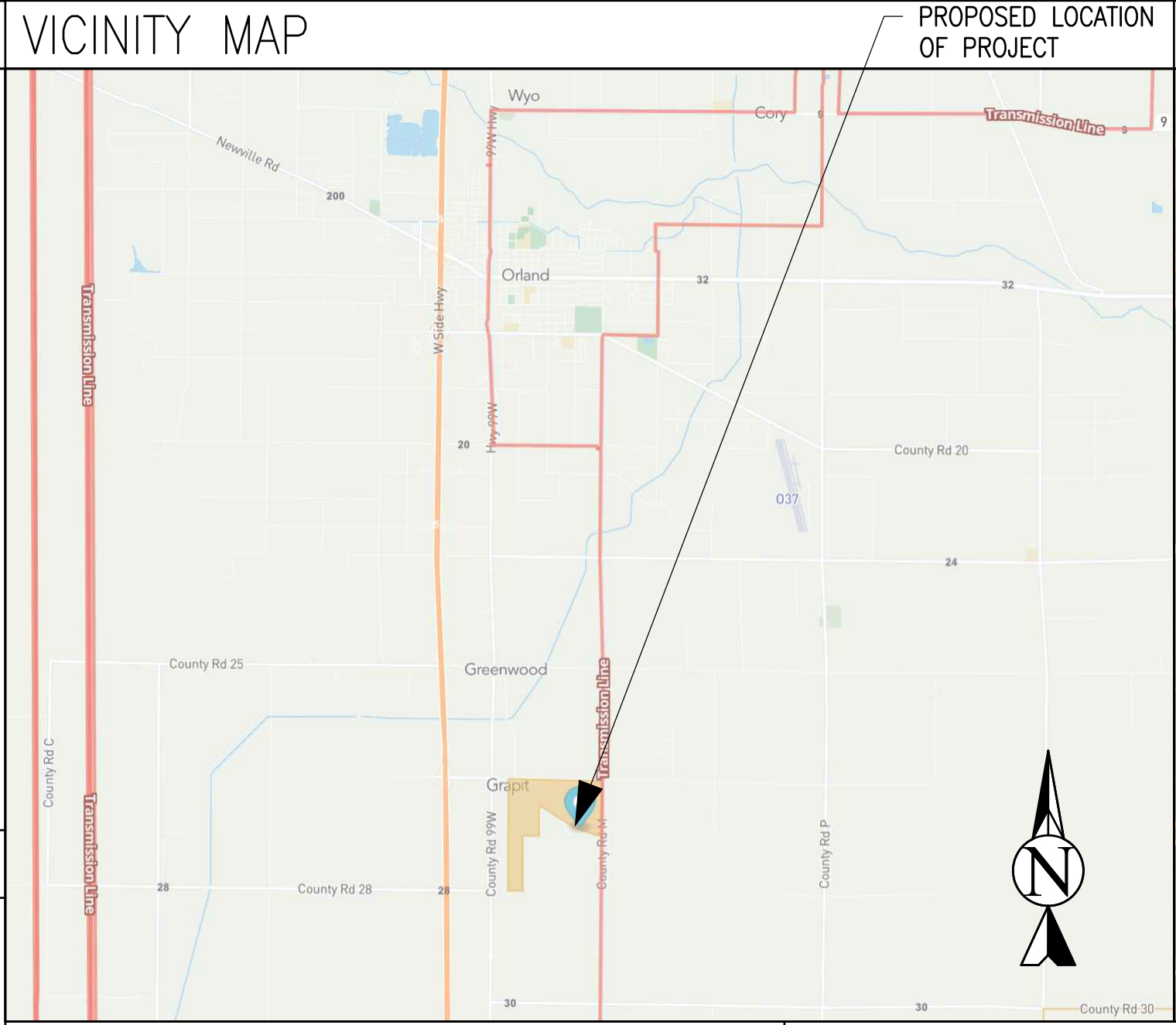
SCOPE OF WORK
THE PROJECT SCOPE INCLUDES THE INSTALLATION OF A GRID-TIED SOLAR PHOTOVOLTAIC SYSTEM AT THE VIOLICH FARMS INC. AGRICULTURAL PROPERTY IN ORLAND, CA.

THE INSTALLATION CONSISTS OF A TILT UP GROUND MOUNT SOLAR ARRAY, 7 STRING-INVERTER(S), AND RELATED ELECTRICAL METERING AND SAFETY EQUIPMENT. ALL EQUIPMENT WILL BE INSTALLED AS REQUIRED BY APPLICABLE CODES AND THE LOCAL UTILITY COMPANY. DURING DAYLIGHT HOURS THIS PHOTOVOLTAIC SYSTEM (SOLAR ELECTRIC) WILL PROVIDE ELECTRICITY IN PARALLEL WITH THE LOCAL UTILITY SERVICE PROVIDER.

SYSTEM DESCRIPTION

FACILITY SERVICE VOLTAGE: 480Y/277V, 3 PHASE, 4 WIRE
(1223) AUXIN, AXN10M410W, 410WDC, MONOCRYSTALLINE, CEC PTC RATING: 385.5WDC
(7) YASKAWA SOLECTRIA SOLAR, PVI-60TL-480, 60kVA, STRING-INVERTER(S), 480VAC, 3φ

501.430kW DC
420.000kW AC
464.395kW AC CEC



SHEET INDEX

SHEET NUMBER	SHEET TITLE
T-1	TITLE PAGE
ELECTRICAL	
E-0.0	ELECTRICAL NOTES
E-1.0	ELECTRICAL SITE PLAN
E-1.1	ELECTRICAL GROUND PLAN
E-1.2	PLAN DETAILS
E-2.0	POC SINGLE LINE DIAGRAM
E-2.1	ELECTRICAL SPECIFICATIONS
E-2.2	NETWORK MONITORING DIAGRAM
E-3.0	LABELS & MARKINGS
E-4.0	DATA SHEETS

GENERAL NOTES

ALL ELECTRICAL WORK TO BE INSTALLED BY A QUALIFIED AND LICENSED ELECTRICAL CONTRACTOR.

ALL SOLAR MODULES SHALL BE UL LISTED 1703 & CEC APPROVED. ALL INVERTERS SHALL BE UL LISTED 1741 CERTIFIED & CEC APPROVED. ALL ELECTRICAL COMPONENTS AND MATERIALS SHALL BE LISTED FOR ITS PURPOSE AND INSTALLED IN A WORKMAN LIKE MANNER. ALL OUTDOOR EQUIPMENT SHALL MEET APPROPRIATE NEMA STANDARDS.

THE ELECTRICAL CONTRACTOR IS ADVISED THAT ALL DRAWINGS AND COMPONENT MANUALS ARE TO BE UNDERSTOOD PRIOR TO INSTALLATION. THE CONTRACTOR IS ADVISED TO HAVE ALL SWITCHES IN THE "OFF" POSITION AND FUSES REMOVED PRIOR TO INSTALLATION OF FUSE-BEARING COMPONENTS.

THIS SYSTEM IS INTENDED TO BE OPERATED IN PARALLEL WITH THE UTILITY SERVICE PROVIDER. ANTI-ISLANDING PROTECTION IS A REQUIREMENT OF UL 1741 AND IS INTENDED TO PREVENT THE OPERATION OF THE PV SYSTEM WHEN THE UTILITY GRID IS NOT OPERATIONAL.

PERMISSION TO OPERATE THE SYSTEM IS NOT AUTHORIZED UNTIL FINAL INSPECTIONS AND APPROVALS ARE OBTAINED FROM THE LOCAL AUTHORITY HAVING JURISDICTION AND THE LOCAL UTILITY SERVICE PROVIDER.

ALL FASTENERS SHALL BE CORROSION RESISTANT APPROPRIATE FOR SITE CONDITIONS. CONNECTORS SHALL BE TORQUED PER DEVICE LISTING OR ENGINEERING RECOMMENDATIONS.

ALL LAYOUT DIMENSIONS ARE SHOWN TO THE NEAREST 1 INCH U.O.N.

GENERAL ABBREVIATIONS

(E)	EXISTING
AHJ	AUTHORITY HAVING JURISDICTION
AL	ALUMINUM
APPROX	APPROXIMATE
ARY	ARRAY
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATING AND AIR CONDITIONING ENGINEERS
BLDG	BUILDING
CL	CENTERLINE
DAS	DATA ACQUISITION SYSTEM
DIA	DIAMETER
DO	DITTO
EW	EAST-WEST
FBO	FURNISHED BY OTHERS
FF	FORWARD FACING
GALV	GALVANIZED
HDG	HOT DIP GALVANIZED
HVAC	HEATING VENTILATION AND AIR CONDITIONING
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
MFR	MANUFACTURER
MOD	SOLAR MODULE
NEC	NATIONAL ELECTRICAL CODE
NS	NORTH-SOUTH
NTS	NOT TO SCALE
OAE	OR APPROVED EQUIVALENT
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PV	PHOTOVOLTAIC
PVC	POLY VINYL CHLORIDE
SCH	SCHEDULE
SS	STAINLESS STEEL
SSS	SOLAR SUPPORT STRUCTURE
STC	STANDARD TEST CONDITIONS
TBD	TO BE DETERMINED
TOF	TILT AND ORIENTATION FACTOR
TP	TAMPER PROOF
TSRF	TOTAL SOLAR RESOURCE FACTOR
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
VIF	VERIFY IN FIELD
WP	WEATHER PROOF

PROJECT DIRECTORY

OWNER
VIOLICH FARMS INC.

AUTHORITY HAVING JURISDICTION
GLENN COUNTY PLANNING & COMMUNITY DEVELOPMENT SERVICES
225 N TEHAMA ST
WILLOWS, CA 95988

UTILITY
PG&E

PROJECT TEAM

CONTRACTOR
FIRM: CONCEPT CLEAN ENERGY
CONTACT: ELLIOT JARAMILLO
PHONE: (510)-813-0935

SYSTEM DESIGNER
FIRM: MAYFIELD RENEWABLES
CONTACT: NICK KIRK
PHONE: (541)-754-2001

ELECTRICAL ENGINEER
FIRM: MAYFIELD RENEWABLES
CONTACT: BRIAN BRUGGEMAN
PHONE: (541)-754-2001

APPLICABLE CODES

CALIFORNIA BUILDING CODE, 2022
CALIFORNIA ELECTRICAL CODE, 2022
CALIFORNIA FIRE CODE, 2022

GRID-TIE SOLAR ELECTRIC SYSTEM
 VIOLICH FARMS INC.
 GREENWOOD, NORTHSTATE SERVICE
 6545-6540 CO RD 27
 ORLAND, CA 95963

PROJECT NUMBER:
23-3639C

SCALE
NTS
ORIGINAL SIZE 24"X36"
SHEET SIZE ARCH "D"

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Mayfield Renewables, LLC
The drawings, specifications and other documents related to this project are protected under law and contract. Reproduction of these documents is authorized for the purpose of constructing, maintaining and using this project. Use of these documents for any other purpose is not permitted without written authorization.

REV	ISSUED	BY	DESCRIPTION
8/17/23	RH	BB	UTILITY INTERCONNECTION SET
9/26/23	NK	BB	CD IFR - ISSUED FOR REVIEW
10/27/23	NK	BB	CD IFC - ISSUED FOR CONSTRUCTION

SHEET NO. & NAME:
T-1
TITLE PAGE

PRINT DATE: 10/27/2023 12:31 PM DWG LOCATION: g:\shared drives\Design\Projects\concept_clean_energy\23-3639c - greenwood\working_set\T-1_titlePage.dwg

ELECTRICAL SPECIFICATIONS

GENERAL: (GRID-TIE, CEC 2022)

- THIS PROPOSED SOLAR ELECTRIC SYSTEM IS INTENDED TO OPERATE IN PARALLEL WITH POWER RECEIVED FROM THE UTILITY SERVICE PROVIDER.
- THE INVERTER FOR THE PROPOSED SOLAR ELECTRIC SYSTEM SHALL BE IDENTIFIED AND LISTED AS A UTILITY INTERACTIVE INVERTER FOR USE IN SOLAR PHOTOVOLTAIC SYSTEMS.
- THIS SYSTEM IS INTENDED TO CONNECT TO THE EXISTING FACILITY POWER SYSTEM AT ONE POINT, POINT OF CONNECTION (POC). THIS CONNECTION SHALL BE IN COMPLIANCE WITH EITHER CEC ARTICLE 705.11 "SUPPLY-SIDE SOURCE CONNECTIONS" OR 705.12 "LOAD-SIDE SOURCE CONNECTIONS."
- ALL SOURCE CIRCUITS SHALL HAVE INDIVIDUAL SOURCE CIRCUIT PROTECTION FOR TESTING AND ISOLATION.
- ALL DISCONNECTS AND COMBINERS SHALL BE SECURED FROM UNAUTHORIZED/UNQUALIFIED PERSONNEL BY LOCK OR LOCATION.
- ALL DISCONNECTS, COMBINERS, PULL/SPLICE BOXES, AND ENCLOSURES SHALL BE LISTED FOR ITS PURPOSE.
- EQUIPMENT SHALL BE INSTALLED IN A SECURE AREA. INVERTER PERFORMANCE MAY BE AFFECTED IF INSTALLED IN DIRECT SUNLIGHT.
- THE INVERTER TO POINT OF CONNECTION (POC) HAS BEEN DESIGNED FOR NO MORE THAN 2% VOLTAGE RISE BASED ON NOMINAL VOLTAGE AND CURRENT VALUES.

WIRING METHODS:

- ALL WIRING METHODS AND INSTALLATION PRACTICES SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE (NEC), LOCAL STATE CODES, AND OTHER APPLICABLE LOCAL CODES. THE INTERIOR OF RACEWAYS INSTALLED BELOW GRADE AND IN WET LOCATIONS ABOVE GRADE SHALL BE CONSIDERED WET LOCATIONS, CEC 300.5(B) AND 300.9.
- EXPOSED PV SOURCE CIRCUIT WIRING SHALL BE USE-2 OR PV WIRE, 90 DEGREE C, WET RATED AND UV RESISTANT. ALL EXPOSED CABLES, SUCH AS MODULE LEADS SHALL BE SECURED WITH MECHANICAL OR OTHER SUNLIGHT RESISTANT MEANS. FOR ALL FUNCTIONALLY GROUNDED PV SYSTEMS, ALL PV SOURCE AND OUTPUT CIRCUIT CONDUCTORS SHALL BE RED FOR POSITIVE, BLACK FOR NEGATIVE AND GREEN FOR GROUND.
- ALL FIELD WIRING THAT IS NOT COLOR CODED SHALL BE MARKED AT BOTH ENDS WITH PERMANENT WIRE MARKERS TO IDENTIFY POLARITY, INVERTER NUMBER AND CIRCUIT IDENTIFICATION. SOURCE CIRCUITS SHALL BE IDENTIFIED AT ALL POINTS OF TERMINATION, CONNECTION AND SPLICES.
- CONDUIT TYPES USED IN THE PV INSTALLATION SHALL BE APPROVED FOR THEIR SPECIFIC APPLICATION AND SUPPORTED PROPERLY PER CEC.
- STRAIGHT CONDUIT RUNS SHALL HAVE EXPANSION FITTINGS PER CEC 300.7, IF EXPOSED TO WEATHER AND MORE THAN 1/4" OF EXPANSION AND CONTRACTION IS EXPECTED.
- IF USED, ALL WIRENUTS ARE TO BE INSTALLED PER LOCATION REQUIREMENTS AND MANUFACTURERS SPECIFICATIONS BY A QUALIFIED/CERTIFIED PERSON. WIRENUTS SHALL NOT BE USED ON DC CONDUCTORS.
- FUSES AND WIRES SUBJECT TO TRANSFORMER INRUSH CURRENT SHALL BE SIZED ACCORDINGLY.
- ALL DC MATERIALS SHALL BE LISTED WITH A DC VOLTAGE RATING GREATER THAN OR EQUAL TO THE MAXIMUM PV SYSTEM VOLTAGE.
- ALL INTERCONNECT WIRING AND POWER CONDUCTORS INTERFACING THE UNIT MUST BE IN ACCORDANCE WITH THE CEC ANSI/NFPA 70 AND ANY APPLICABLE LOCAL CODES. CONDUCTORS MUST CONFORM TO THE MINIMUM BEND RADIUS SPECIFIED IN THE SPECIFIC CEC ARTICLE. KEEP ALL WIRE BUNDLES AWAY FROM ANY SHARP EDGES TO AVOID DAMAGE TO WIRE INSULATION. ALL CONDUCTORS SHOULD BE MADE OF COPPER AND RATED FOR 90 DEGREE C MINIMUM UNLESS OTHERWISE NOTED. FOR OUTDOOR INSTALLATIONS, ALL INTERCONNECT CONDUITS AND FITTINGS MUST BE PROPERLY NEMA RATED AS REQUIRED BY THE CEC.
- CONNECTORS TO BE TORQUED PER DEVICE LISTING OR MANUFACTURERS RECOMMENDATIONS.
- ALL AC WIRING SHALL BE COPPER WIRE, RATED AT 90 DEGREE CELSIUS, AND RATED FOR 600 VAC UNLESS OTHERWISE NOTED.
- PROPERLY SUPPORT ALL EXPOSED PV SOURCE CIRCUITS TO MAINTAIN THE INTEGRITY OF THE CONDUCTOR'S INSULATION.
- ALL CONDUIT THAT IS MOUNTED ON THE ROOF SHALL BE MOUNTED WITH FLASHED CONDUIT SUPPORTS PER CEC 386.30.
- ALL WIRING MUST BE PROPERLY SUPPORTED BY DEVICES OR MECHANICAL MEANS DESIGNATED AND LISTED FOR SUCH USE, AND MUST BE PERMANENTLY AND COMPLETELY HELD OFF OF THE ROOF SURFACE PER CEC 110.2, 110.3(A), 110.3(B) CONDUCTORS SHALL BE SUPPORTED PER CEC 300.19 AS REQUIRED.

- ALL FIELD MADE CONNECTORS FOR PV QUICK CONNECTS SHALL BE THE SAME TYPE AND MANUFACTURER AS THE PV MODULES AND USE THE MANUFACTURER SPECIFIED CRIMPING TOOL.
- WHERE MATING CONNECTORS ARE NOT OF THE IDENTICAL TYPE AND BRAND, THEY SHALL BE LISTED AND IDENTIFIED FOR INTERMATEABILITY, AS DESCRIBED IN THE MANUFACTURER'S INSTRUCTIONS.

GROUNDING:

- ONLY ONE CONNECTION TO DC CIRCUITS AND ONE CONNECTION TO AC CIRCUITS WILL BE USED FOR SYSTEM GROUNDING (REFERENCED TO THE SAME POINT). THIS WILL NORMALLY BE LOCATED AT THE INVERTER.
- EQUIPMENT GROUNDING CONDUCTORS AND SYSTEM GROUNDING CONDUCTORS WILL HAVE AS SHORT A DISTANCE TO GROUND AS POSSIBLE AND A MINIMUM NUMBER OF TURNS.
- NON-CURRENT CARRYING METAL PARTS SHALL BE CHECKED FOR PROPER EQUIPMENT GROUNDING; NOTING THAT TERMINAL LUGS BOLTED ON AN ENCLOSURE'S FINISHED SURFACE MAY BE INSULATED BECAUSE OF PAINT/FINISH. PAINT/FINISH AT POINT OF CONTACT SHALL BE PROPERLY REMOVED.
- MODULES SHALL BE BONDED WITH EQUIPMENT GROUNDING CONDUCTORS BONDED TO A LOCATION APPROVED BY THE MANUFACTURER WITH A MEANS OF BONDING LISTED FOR THIS PURPOSE. RACKING SYSTEMS THAT COMPLY WITH UL2703 SHALL BE USED TO BOND MODULES TO RACKING SYSTEMS.
- GROUNDING SYSTEM COMPONENTS SHALL BE LISTED FOR THEIR PURPOSE, INCLUDING BUT NOT LIMITED TO GROUND RODS, GROUNDING LUGS, GROUNDING CLAMPS, ETC.

GROUND FAULT PROTECTION:

- PHOTOVOLTAIC SYSTEM DC CIRCUITS THAT EXCEED 30 VOLTS OR 8 AMPERES SHALL BE PROVIDED WITH DC GROUND FAULT PROTECTION MEETING THE REQUIREMENTS OF 690.41(B)(1) AND (B)(2) TO REDUCE FIRE HAZARDS.

DISCONNECTING MEANS:

- MEANS SHALL BE PROVIDED TO DISCONNECT THE PV SYSTEM FROM ALL WIRING SYSTEMS INCLUDING POWER SYSTEMS, ENERGY STORAGE SYSTEMS, AND UTILIZATION EQUIPMENT AND ITS ASSOCIATED PREMISES WIRING.
- THE DISCONNECTING MEANS SHALL NOT BE REQUIRED TO BE SUITABLE AS SERVICE EQUIPMENT AND SHALL BE RATED IN ACCORDANCE WITH ARTICLE 690 PART III, DISCONNECTING MEANS.
- A SINGLE DISCONNECTING MEANS SHALL BE PERMITTED FOR THE COMBINED AC OUTPUT OF ONE OR MORE INVERTERS IN AN INTERACTIVE SYSTEM.

REQUIRED SAFETY SIGNS AND LABELS:

- THE MARKING SHALL ADEQUATELY WARN OF THE HAZARD USING EFFECTIVE WORDS AND/OR COLORS AND/OR SYMBOLS. CEC 110.21
- THE LABEL SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN. CEC 110.21
- THE LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. CEC 110.21
- LABELS AND MARKINGS SHALL BE APPLIED TO THE APPROPRIATE COMPONENTS IN ACCORDANCE WITH THE CEC.
- SOLAR MODULES AND INVERTERS ARE SUPPLIED FROM THE MANUFACTURER WITH MARKINGS PRE-APPLIED TO MEET THE REQUIREMENTS OF CEC 690.51 & 690.41(B)(1).
- DESIGN REQUIREMENTS FOR CEC REQUIRED LABELS, WHERE COLOR IS INDICATED, ARE SHOWN ON THE LABELS AND MARKINGS SHEET.
- UNLESS OTHERWISE STATED ON LABEL SPECIFIC NOTES (SEE NOTE 6), OSHA 1910.145 AND ANSI Z535 RECOMMENDED SPECIFICATIONS ARE AS FOLLOWS:
 - ROUNDED OR BLUNT CORNERS FREE OF SHARP EDGES.
 - VISIBLE AT A MINIMUM DISTANCE OF 5ft OR GREATER.
 - "DANGER" HEADER; RED BACKGROUND WITH WHITE LETTERING.
 - "WARNING" HEADER; ORANGE BACKGROUND WITH BLACK LETTERING.
 - "CAUTION" HEADER; YELLOW BACKGROUND WITH BLACK LETTERING.
 - "NOTICE" LABEL HEADER TO BE IN BLUE WITH WHITE LETTERING.
 - ALL OTHER TEXT TO BE BLACK ON A WHITE BACKGROUND.

GENERAL NOTES FOR TRANSFORMERLESS INVERTERS:

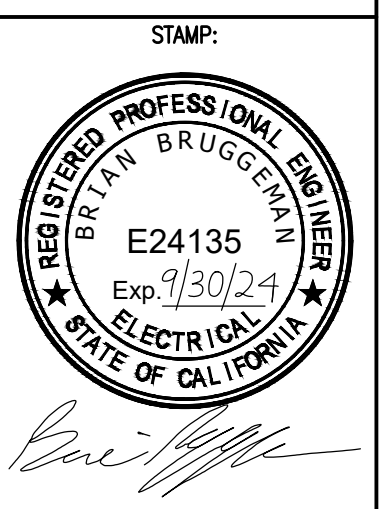
- TRANSFORMERLESS (NON-ISOLATED) INVERTERS ARE NOT SUPPLIED WITH AN INTEGRAL HIGH EFFICIENCY ISOLATION TRANSFORMER AS PART OF THE INVERTER ASSEMBLY.
- TRANSFORMERLESS INVERTERS SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR BONDED TO THE EXISTING GROUNDING SYSTEM. A GROUND CONNECTION FOR THE INVERTER MUST BE INSTALLED AND CONNECTED TO THE UNIT AS DESCRIBED IN THE INSTALLATION MANUAL. THE AC AND DC GROUND BUS BARS ARE CONNECTED TO THE MAIN INVERTER ENCLOSURE. THE GROUND FAULT PROTECTION IS MONITORED AND THE INVERTER IS DISCONNECTED FROM THE GRID IN THE EVENT OF A GROUND FAULT. EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED PER CEC 250.122.
- INVERTER OPERATING CONDITIONS ARE DESIGNED TO BE INSTALLED IN EITHER AN INDOOR OR OUTDOOR ENVIRONMENT. ALLOWABLE OPERATING TEMPERATURE RANGE AND CLEARANCE REQUIREMENTS FOR PROPER AIR FLOW FOR THE UNITS ARE SPECIFIED BY THE MANUFACTURER.

ELECTRICAL SAFETY FEATURES:

- THE UNIT HAS ONLY ONE MODE OF OPERATION, LINE LINKAGE MODE (GRID EXPORT MODE). THE OUTPUT VOLTAGES AND CURRENTS ARE SINUSOIDAL WITH LOW TOTAL HARMONIC DISTORTION MEETING IEEE 1547 HARMONIC STANDARDS. THE ANTI-ISLANDING TRIP TIME IS LESS THAN (2) SECONDS AS PER UL 1741 STANDARDS. THE INVERTER UNIT WILL AUTOMATICALLY DISCONNECT FROM THE UTILITY.

CONCEPT
CLEAN ENERGY

668 N. COAST HWY.,
STE 272
LAGUNA BEACH, CA
92651
L#: 1042800



GRID-TIE SOLAR ELECTRIC SYSTEM
 VIOLICH FARMS INC.
 GREENWOOD, NORTHSTATE SERVICE
 6545-6540 CO RD 27
 ORLAND, CA 95963

PROJECT NUMBER:
23-3639C

SCALE
NTS

ORIGINAL SIZE 24"x36"
SHEET SIZE ARCH "D"

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REV	ISSUED	BY	DESCRIPTION
8/17/23	IRH	BB	UTILITY INTERCONNECTION SET
9/26/23	NK	BB	CD IFR - ISSUED FOR REVIEW
10/27/23	NK	BB	CD IFC - ISSUED FOR CONSTRUCTION

SHEET NO. & NAME:
E-0.0
ELECTRICAL NOTES

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RACEWAY LEGEND

-----	FIBER CABLE
-----	CAT-5 ETHERNET
-----	RS-485 DATACOM
-----	DC CONDUCTOR/CONDUIT
-----	MEDIUM VOLTAGE CONDUCTOR/CONDUIT
-----	AC CONDUCTOR/CONDUIT
-----	COMMUNICATION CONDUCTOR/CONDUIT
-----	OVER HEAD WIRE

POWER LEGEND

	STRING OF SOLAR MODULES		HANDHOLE
	INVERTER		CAMERA
	DC SIDE OF INVERTER		TELEPHONE OR DATA OUTLET
	AC SIDE OF INVERTER		DUPLIX CONVENIENCE OUTLET, 120V, 20A, GROUNDING TYPE SPECIFICATION GRADE
	EQUIPMENT GROUNDING LOCATION		JUNCTION-BOX
	GROUND OR GROUNDING ELECTRODE		OMITTED MODULE
	SPLICE OR TAP		SPARE MODULE
	CIRCUIT BREAKER		NON-ACTIVE MODULE
	FUSE		DATA ACQUISITION SYSTEM
	SWITCH		THERMO COUPLE TEMPERATURE SENSOR
	RELAY OR CONTACT N.O.		PYRANOMETER - SOLAR RADIATION
	RELAY OR CONTACT N.C.		CELL/ MODULE TEMPERATURE SENSOR
	CURRENT TRANSFORMER		ANEMOMETER
	TRANSFORMER		BAROMETRIC PRESSURE SENSOR
	METER		HUMIDITY SENSOR
			RAIN GAUGE

ABBREVIATIONS

A	AMPERE(S)	COND	CONDITIONING	POC	POINT OF CONNECTION
AC	ALTERNATING CURRENT	IMC	INTERMEDIATE METAL CONDUIT	PT	POTENTIAL TRANSFORMER
ACSW	AC SWITCH	IMP	MAXIMUM POWER CURRENT	PTC	PVUSA TEST CONDITIONS
AF	AMPERE FRAME, AMP FUSE	INV	INVERTER	PVCB	PHOTOVOLTAIC CIRCUIT BREAKER
AFCI	ARC FAULT CIRCUIT INTERRUPTER	ISC	SHORT CIRCUIT CURRENT (AVAILABLE)	PWR	POWER
AIC	AMPERE INTERRUPTING CAPACITY	JB	JUNCTION BOX	RCBR	RE-COMBINER BOX
AL	ALUMINUM	K	THOUSAND	RCL	RECLOSER
AS	AMPERE SWITCH	LA	LIGHTNING ARRESTER	RECT	RECTIFIER
AT	AMP TRIP	LB	LOAD BREAK	RGS	RIGID GALVANIZED STEEL
ATS	AUTOMATIC TRANSFER SWITCH	LFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT	RMC	RIGID METAL CONDUIT
AWG	AMERICAN WIRE GAUGE	LI	LOAD INTERRUPTER	RPVT	REMOTE PV TIE
BOS	BALANCE OF SYSTEM	LTG	LIGHTING	RSD	RAPID SHUTDOWN DEVICE/SWITCH
C	CONDUIT	M	MILLION	RTU	REMOTE TERMINAL UNIT
CB	CIRCUIT BREAKER	MBJ	MAIN BONDING JUMPER	SBJ	SYSTEM SIDE BONDING JUMPER
CBR	COMBINER BOX	MC4	MULTI-CONTACT TYPE 4 (SOLARLINE2)	SCH	SCHEDULE
CBSS	CIRCUIT BREAKER SAFETY SWITCH	MCB	MAIN CIRCUIT BREAKER	SPD	SURGE PROTECTIVE DEVICE
CMIL	CIRCULAR MIL	MDSS	MULTIPLE DISCONNECT SAFETY SWITCH	SS	STAINLESS STEEL
COM	COMMUNICATIONS	MFR	MANUFACTURER	SSBJ	SUPPLY-SIDE BONDING JUMPER
CT	CURRENT TRANSFORMER	MLO	MAIN LUG ONLY	STR	STRING
CU	COPPER	MPC	MINI POWER CENTER	SWBD	SWITCHBOARD
DC	DIRECT CURRENT	MPPT	MAXIMUM POWER POINT TRACKING	SWGR	SWITCHGEAR
DCCT	DC CONTACTOR	MSD	MAIN SERVICE DISCONNECT	TBD	TO BE DETERMINED
DCSW	DC SWITCH	MTR	METER	TEL	TELEPHONE CABLE
EC	ELECTRICAL SUBCONTRACTOR	MV	MEDIUM VOLTAGE	TP	TAMPER PROOF
EGC	EQUIPMENT GROUNDING CONDUCTOR	N	NEUTRAL	TYP	TYPICAL
EMT	ELECTRICAL METALLIC TUBING	NEC	NATIONAL ELECTRIC CODE	UNJ	UNLESS OTHERWISE NOTED
FMC	FLEXIBLE METAL CONDUIT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	UPS	UNINTERRUPTIBLE POWER SUPPLY
FO	FIBER-OPTIC CABLE	NGR	NEUTRAL GROUNDING REACTOR	V	VOLT(S)
GE	GROUNDING ELECTRODE	OCPD	OVER CURRENT PROTECTION DEVICE	VA	VOLT-AMP
GEC	GROUNDING ELECTRODE CONDUCTOR	P	POLE	VD	VOLTAGE DROP
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	PB	PULL BOX	VIF	VERIFY IN FIELD
GFDI	GROUND FAULT DETECTION AND INTERRUPTION	PH	PHASE	VMP	MAXIMUM POWER VOLTAGE
GND	GROUND	PME	PAD MOUNTED ENCLOSURE	VOC	OPEN CIRCUIT VOLTAGE
GOAB	GROUP OPERATED AIR BREAK	PNL	PANEL BOARD	W	WATT(S)
HH	HANDHOLE			WH	WATT-HOUR
HVAC	HEATING VENTILATION AND AIR			WP	WEATHER PROOF
				XFMR	TRANSFORMER

PRINT DATE: 10/27/2023 12:31 PM DWG LOCATION: g:\shared drives\Design\Projects\concept clean energy\23-3639c - greenwood\working set\E-1.0 ELECTRICAL SITE PLAN.dwg

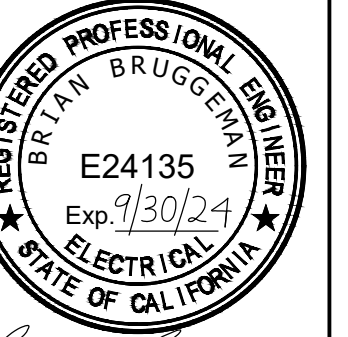
SHEET NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UNDERGROUND UTILITIES MARKED PRIOR TO CONSTRUCTION
- ALL DIMENSIONS ARE FOR REFERENCE ONLY. PLEASE REFER TO MANUFACTURERS DRAWINGS TO CONFIRM ALL DIMENSIONS. ALL DIMENSIONS DISPLAYED ON THIS SHEET ARE ROUNDED TO THE NEAREST 1" U.O.N.

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CLEAN ENERGY

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LAGUNA BEACH, CA
92651
L#: 1042800

STAMP:

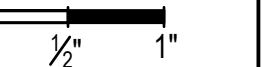


Brian Bruggeman

GRID-TIE SOLAR ELECTRIC SYSTEM
VIOLICH FARMS INC.
GREENWOOD, NORTHSTATE SERVICE
6545-6540 CO RD 27
ORLAND, CA 95963

PROJECT NUMBER:
23-3639C

SCALE
AS SHOWN
ORIGINAL SIZE 24"X36"
SHEET SIZE ARCH "D"

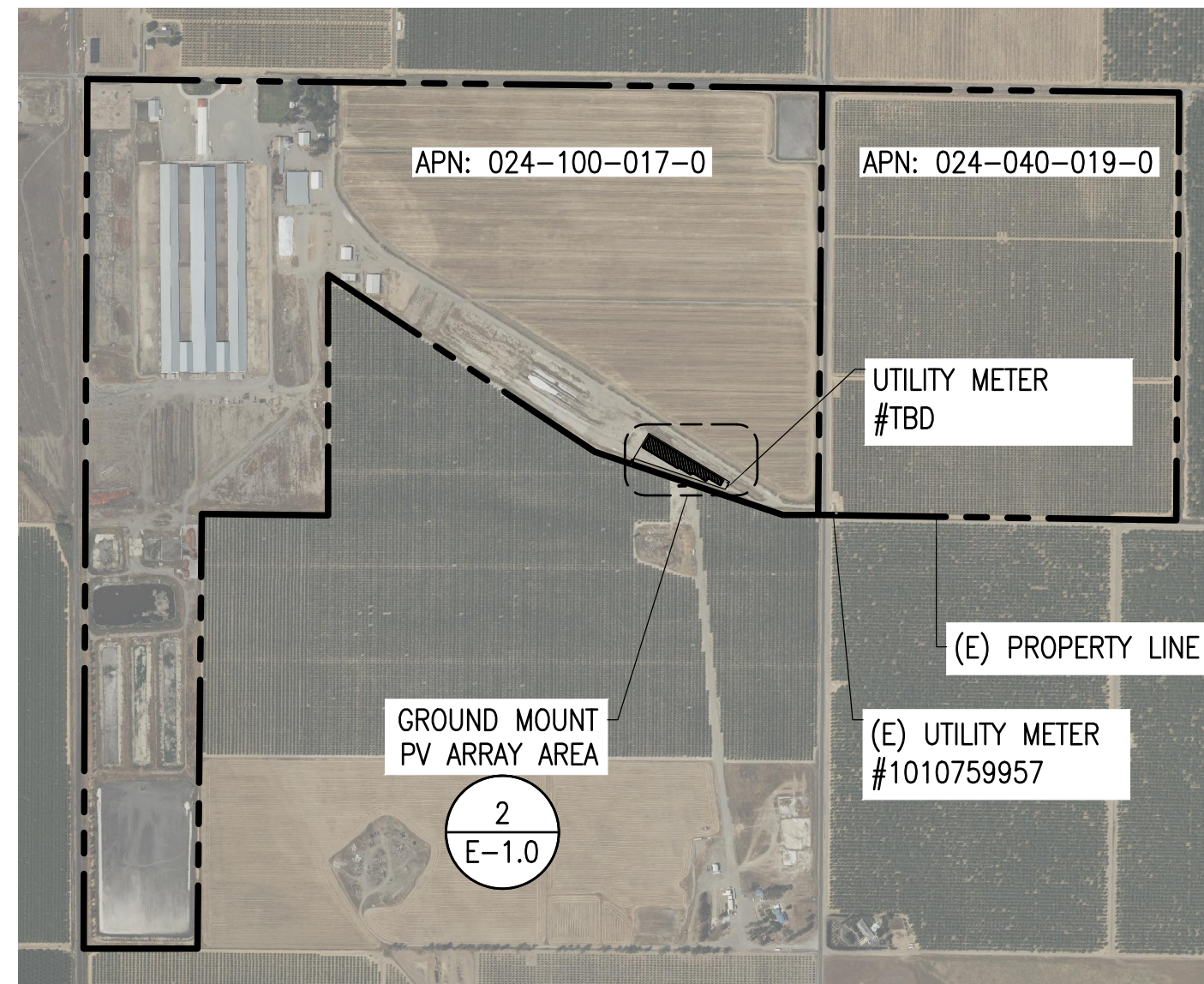


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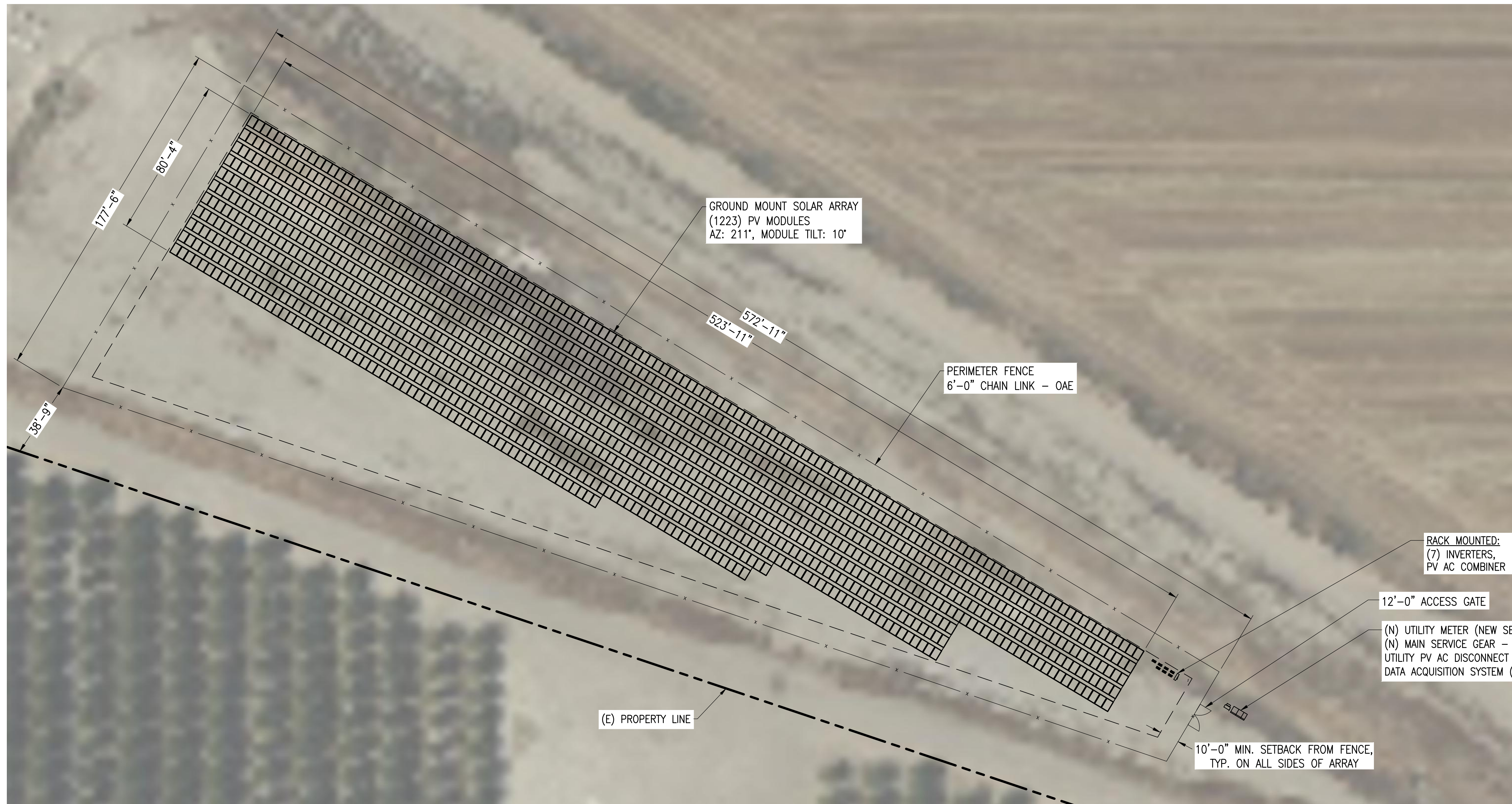
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	8/17/23	RH/BB	UTILITY INTERCONNECTION SET
	9/26/23	NK/BB	CD IFR - ISSUED FOR REVIEW
	10/27/23	NK/BB	CD IFC - ISSUED FOR CONSTRUCTION

SHEET NO. & NAME:

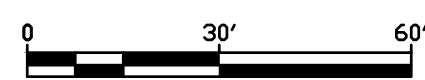
E-1.0
ELECTRICAL SITE PLAN



1 PLOT PLAN
SCALE: 1" = 1000'

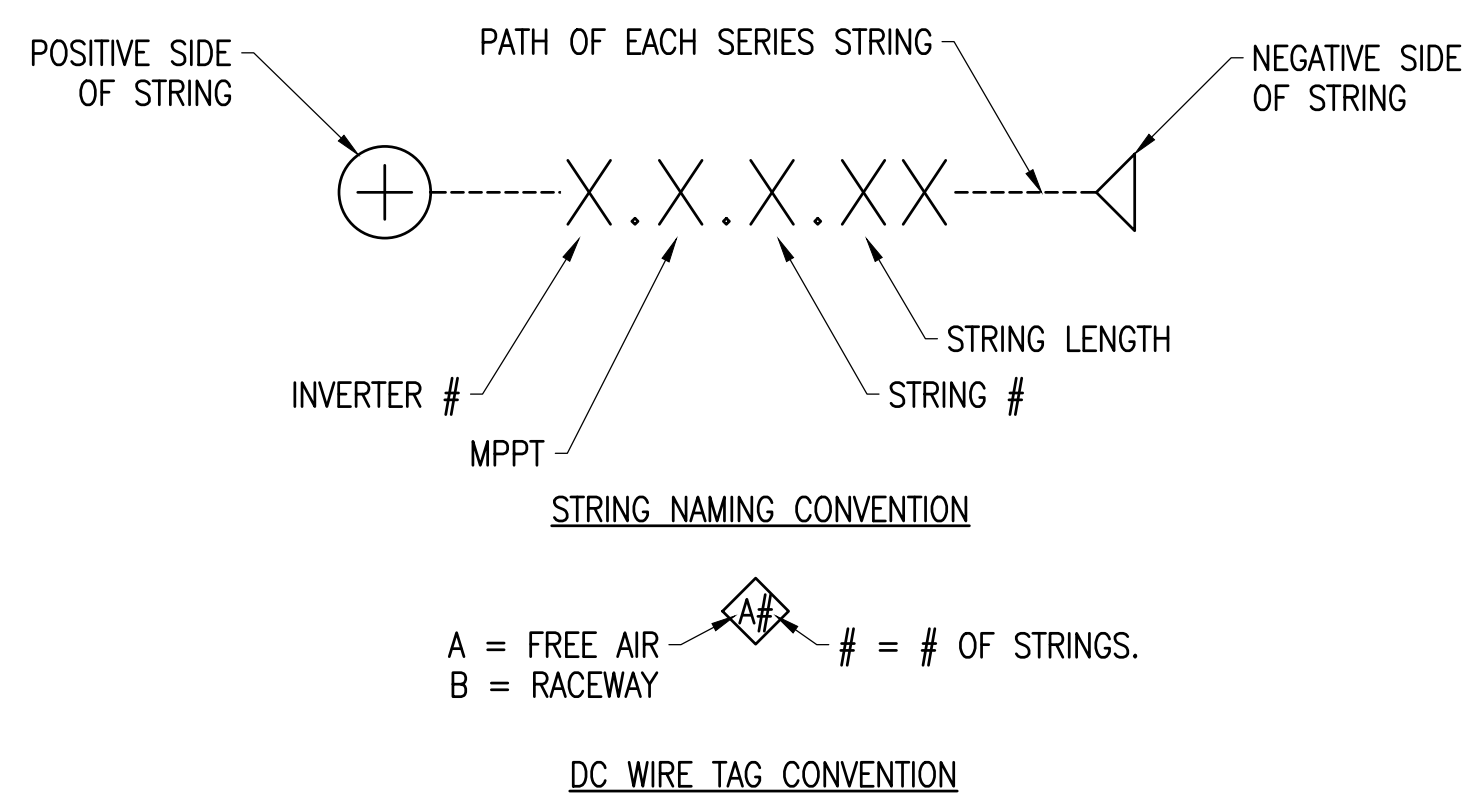


2 ELECTRICAL SITE PLAN
SCALE: 1" = 30'



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LEGEND



SOURCE CIRCUIT HOME RUN SCHEDULE OPTIONS

REF LETTER	NUMBER OF CONDUCTORS	EMT	FILL %
B1	(2) #10 PWIRE 2KV; (1) #10 EGC	3/4"	30.1%
B2	(4) #10 PWIRE 2KV; (1) #10 EGC	1"	31.0%
B3	(6) #10 PWIRE 2KV; (1) #10 EGC	1-1/4"	25.0%
B4	(8) #10 PWIRE 2KV; (1) #10 EGC	1-1/4"	32.2%

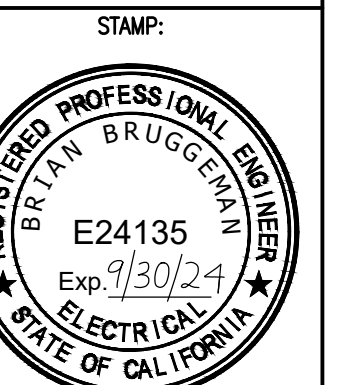
PV WIRE USED FOR CONDUIT FILL HAS OD = 0.2610", IN² = 0.0535 IN²
 FIELD VERIFY ACTUAL PV WIRE OD/IN² AND ADJUST CONDUIT SIZE/FILL ACCORDINGLY.
 DO NOT EXCEED (8) #10 PV WIRE BUNDLED OR IN CONDUIT EXCEPT IN SCENARIOS THAT COMPLY WITH 310.15(C)(1)(b) EXCEPTION.

SHEET NOTES

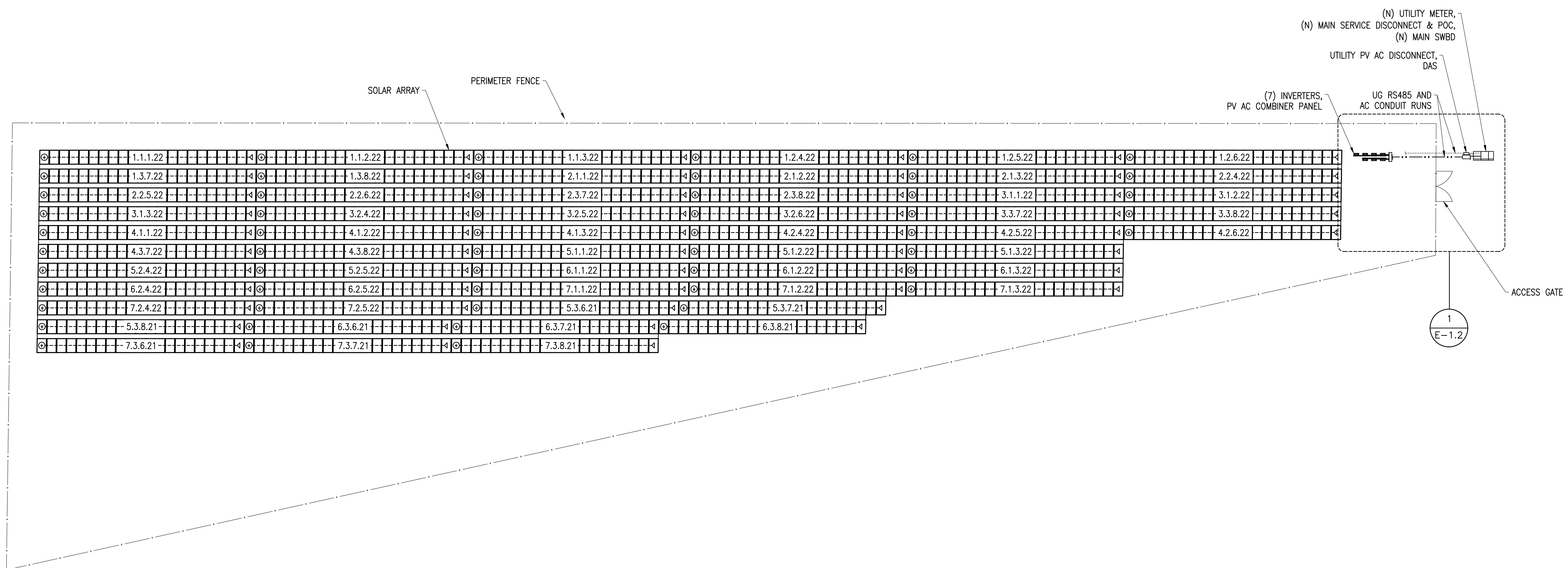
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- CONDUIT RUNS SHOWN ARE INDICATIVE OF PATH AND CONVEY ORIGIN AND TERMINATION. CONTRACTOR TO DETERMINE BEST ROUTE PER FIELD CONDITIONS. FINAL CONDUIT PATH SHALL BE APPROVED WITH CONTRACTOR SITE SUPERVISOR PRIOR TO INSTALLATION.
- CONTRACTOR SHALL ENSURE THE EXACT OUTER DIAMETER OF THE PROVIDED HOME RUN WIRING MEETS CONNECTOR SPECIFICATIONS.
- EXPOSING THE INVERTERS TO DIRECT SUNLIGHT CAN IMPACT SYSTEM PERFORMANCE. SUN COVERS OR A SHADE STRUCTURE SHOULD BE CONSIDERED PRIOR TO INSTALLATION.

CONCEPT
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[Signature]



GRID-TIE SOLAR ELECTRIC SYSTEM
VIOLICH FARMS INC.
GREENWOOD, NORTHSTATE SERVICE
6545-6540 CO RD 27
ORLAND, CA 95963

PROJECT NUMBER:
23-3639C
SCALE:
AS SHOWN
ORIGINAL SIZE 24"X36"
SHEET SIZE ARCH "D"

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SHEET NO. & NAME:
E-1.1
ELECTRICAL
GROUND PLAN

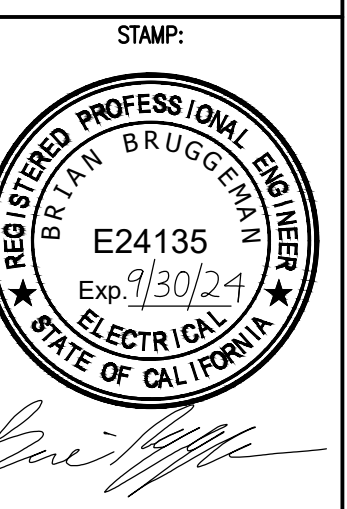
PRINT DATE: 10/27/2023 12:32 PM DWG LOCATION: g:\shared drives\Design\Projects\concept clean energy\23-3639c - greenwood\working set\E-1.2 PLAN DETAILS.dwg

SHEET NOTES

1. ALL EQUIPMENT DIMENSIONS ARE APPROXIMATE, VERIFY ALL DIMENSIONS WITH APPROVED EQUIPMENT RECORD DRAWINGS PRIOR TO POURING CONCRETE PADS.
2. CONDUIT ROUTES SHOWN ARE DIAGRAMMATIC AND DO NOT REFLECT ALL OBSTRUCTIONS. SUBCONTRACTOR TO DETERMINE EXACT ROUTING BASED ON SITE CONDITIONS.
3. CONTRACTOR TO COORDINATE ALL PLANNED CONDUIT ROUTES PRIOR TO INSTALLATION.
4. ALL UNDERGROUND CONDUIT TO BE MARKED PRIOR TO CONSTRUCTION

CONCEPT
CLEAN ENERGY

668 N. COAST HWY.,
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92651
L#: 1042800



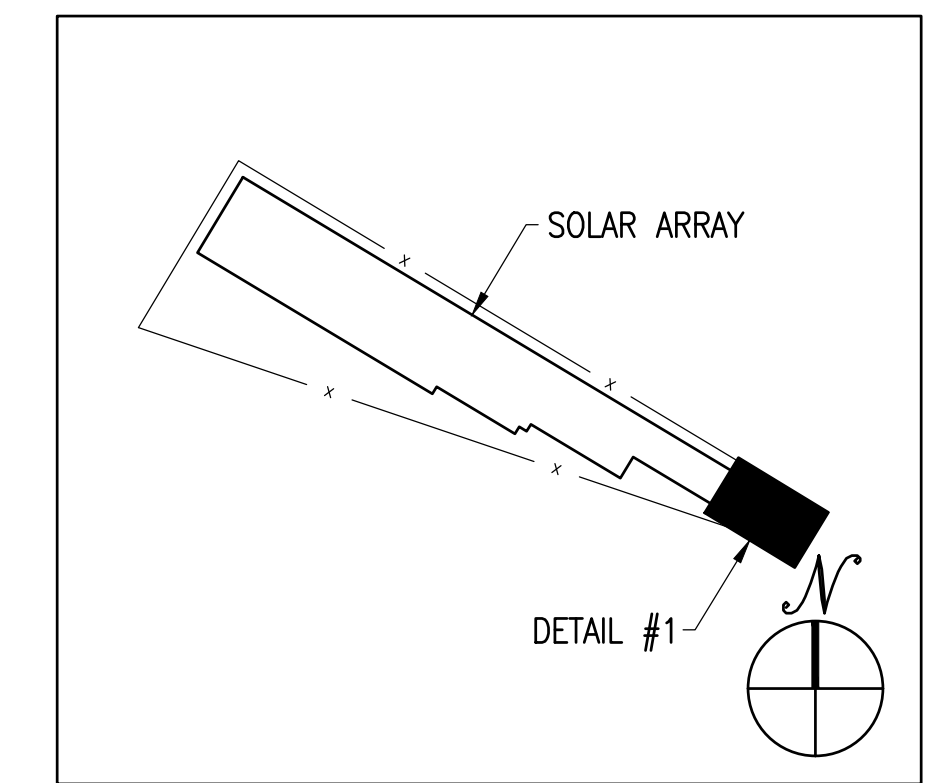
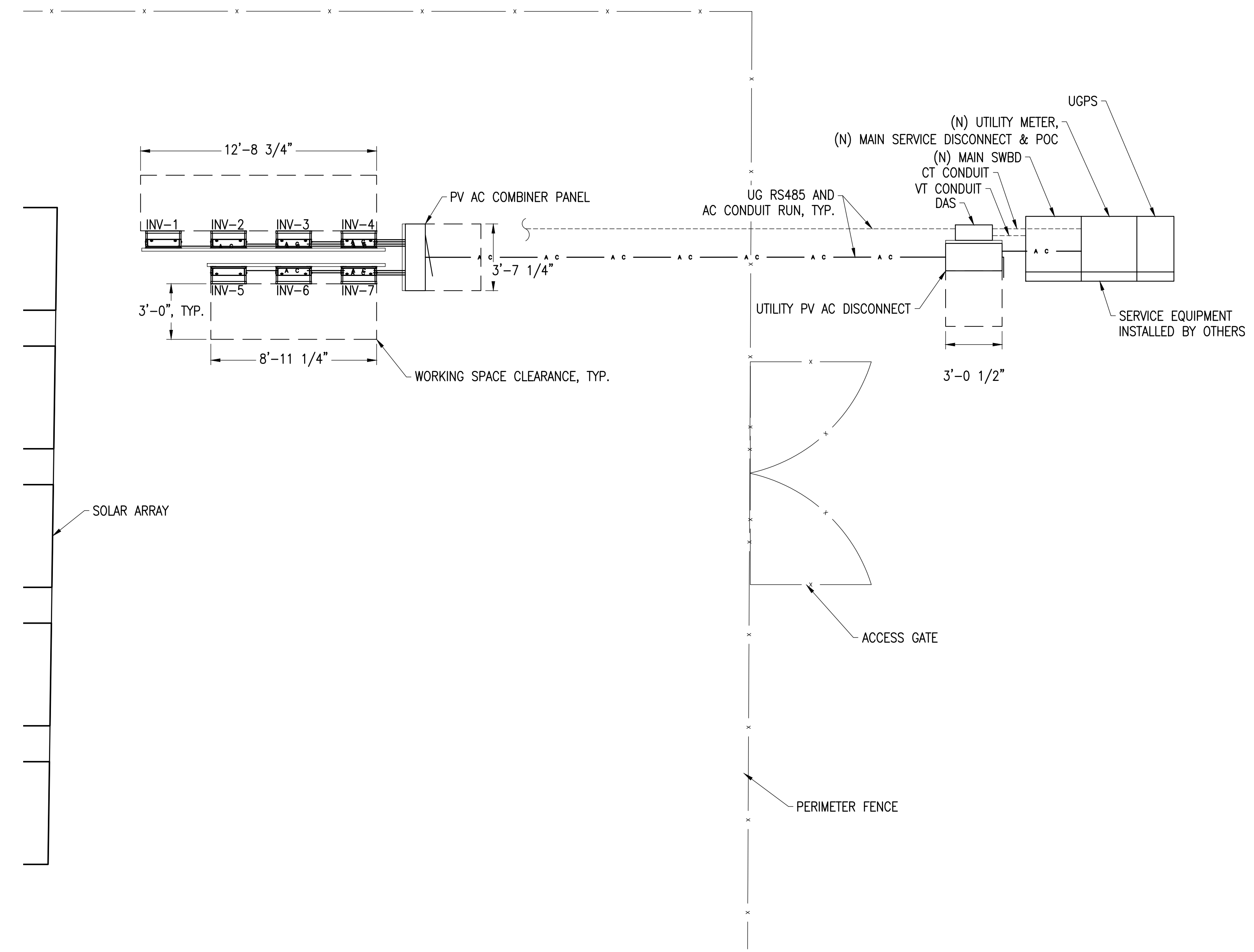
GRID-TIE SOLAR ELECTRIC SYSTEM
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PROJECT NUMBER:
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SHEET NO. & NAME:
E-1.2
PLAN DETAILS



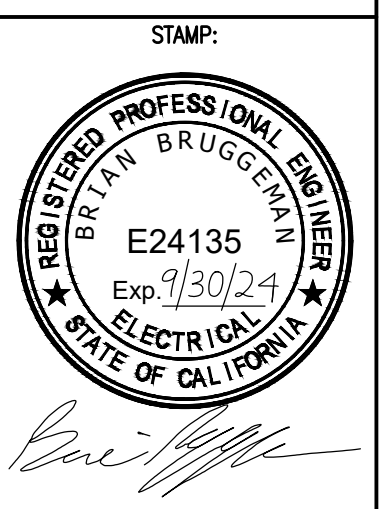
1 EQUIPMENT AREA - PLAN DETAIL
SCALE: 1/4" = 1'-0"

PRINT DATE: 10/27/2023 12:32 PM DWG LOCATION: g:\shared drives\Design\Projects\concept_clean_energy\23-3639c - greenwood\working set\E-2.0 POC SINGLE LINE DIAGRAM.dwg

SHEET NOTES

1. CIRCUIT CALCULATIONS ARE SHOWN FOR THE WORST CASE SCENARIO.
2. ALL CONDUCTORS TO BE COPPER (CU) UNLESS NOTED OTHERWISE.
3. ALL CONDUIT TO BE EMT, SCHD 40/80 PVC OR RIGID METAL. EXTERIOR FITTINGS TO BE WATER TIGHT.
4. DC & AC VOLTAGE DROP PERCENTAGE IS SHOWN FOR THE WORST CASE SCENARIO.

CONCEPT CLEAN ENERGY
 668 N. COAST HWY.,
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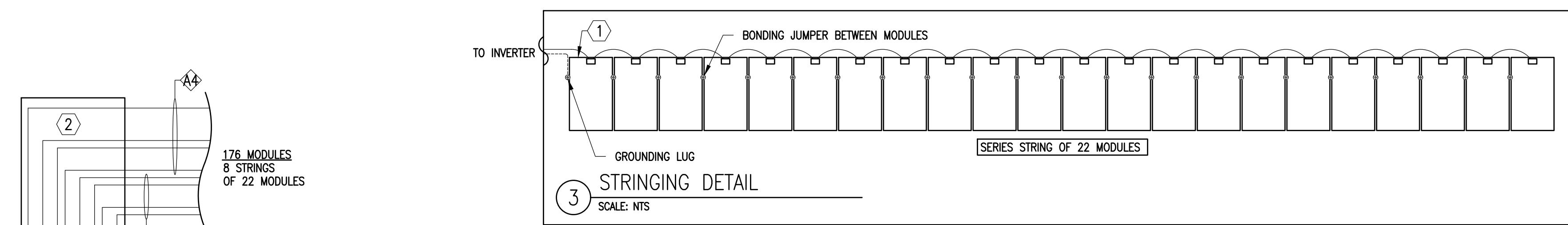
PROJECT NUMBER:
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SCALE
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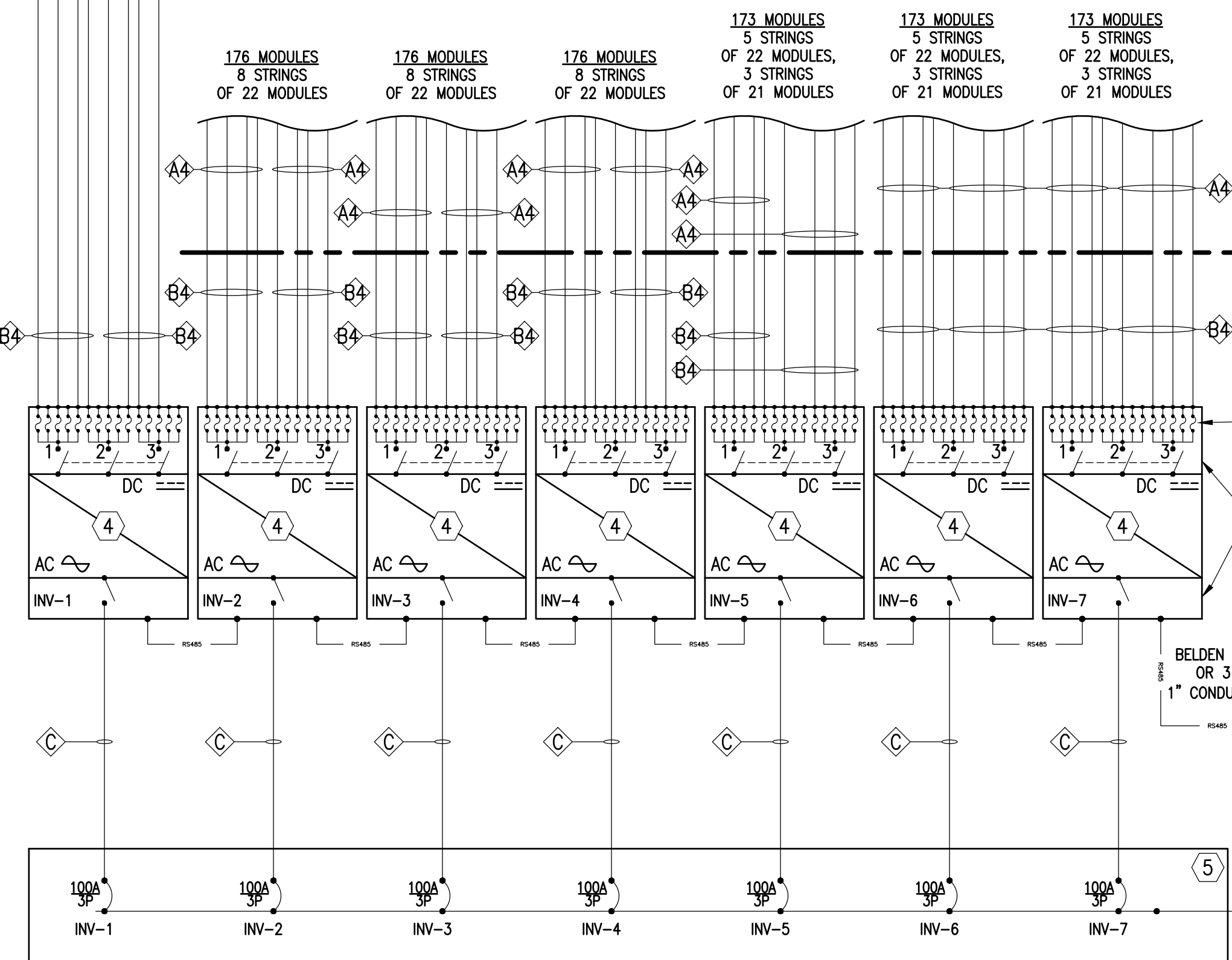
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SHEET NO. & NAME:
E-2.0
 POC SINGLE LINE
 DIAGRAM

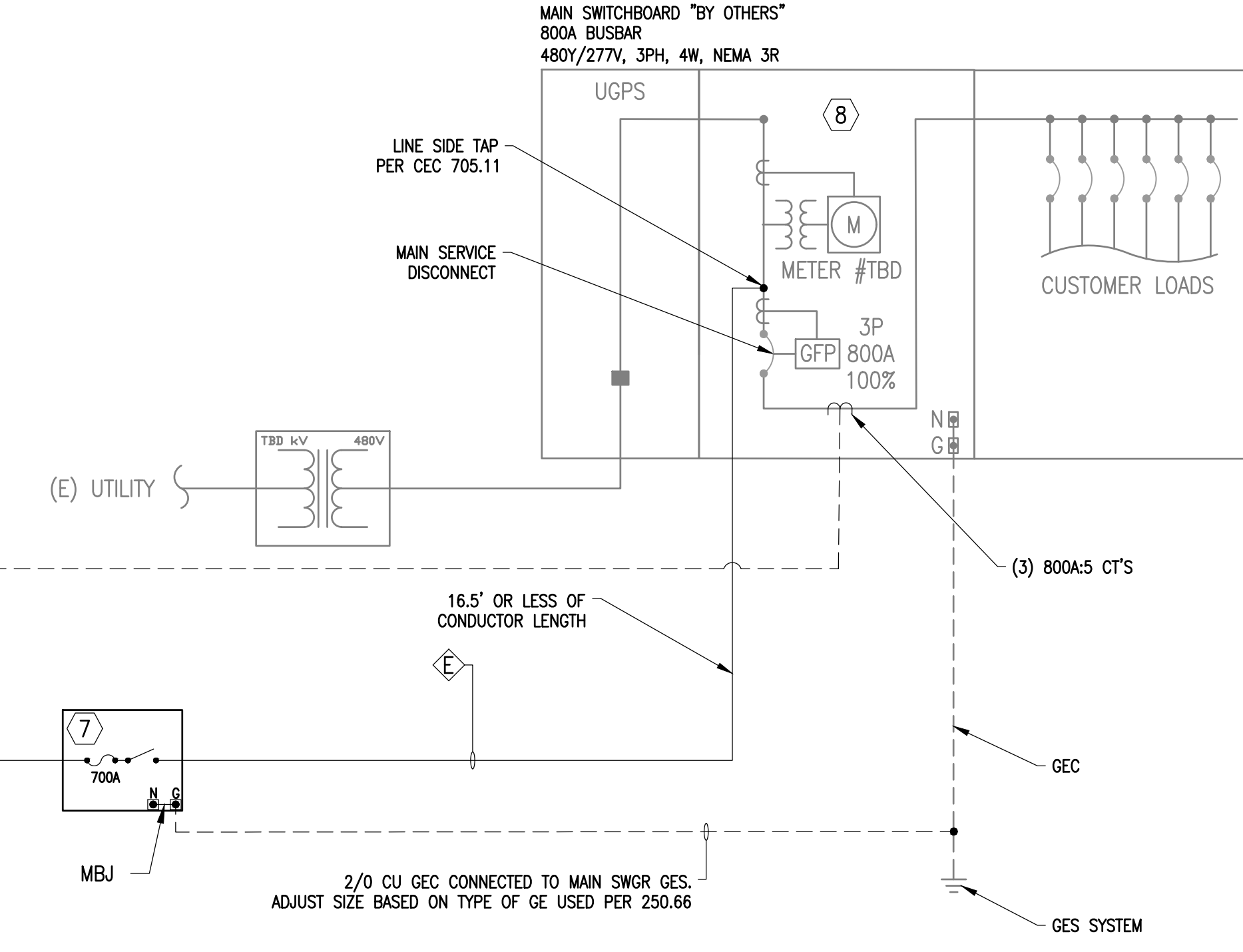


A = FREE AIR
 B = RACEWAY
 # = # OF STRINGS
 DC WIRE TAG CONVENTION



1000VDC MERSEN HP10M25 PV FUSES, BOTH POLARITIES FUSED. 25A FUSES MUST NOT BE INSTALLED ADJACENT TO EACH OTHER. POSITION AN UNUSED FUSE HOLDER IN-BETWEEN EACH USED FUSE HOLDER WITHIN EACH MPPT. TYP. FOR ALL INVERTERS.

(3) #12, (1) #12 NEU, (1) #12 EGC, (1) 1" PVC CONDUIT
 BELDEN 31060B OR 3106A IN 1" CONDUIT, TYP.



(5) PV COMBINER PANELBOARD SIZE NEC 705.12(B)(3)(3)

	MAX AMPS	125%	OCPD
INVERTER 1	72.2A	90.3A	100A
INVERTER 2	72.2A	90.3A	100A
INVERTER 3	72.2A	90.3A	100A
INVERTER 4	72.2A	90.3A	100A
INVERTER 5	72.2A	90.3A	100A
INVERTER 6	72.2A	90.3A	100A
INVERTER 7	72.2A	90.3A	100A
SUBTOTAL	505.4A	632.1A	700A
MIN. BUS SIZE	800A	--	--

1 LINE DIAGRAM
 SCALE: NTS

CONDUCTOR CALCULATION SUMMARY

TAG	DESCRIPTION	VOLTAGE	CIRCUIT AMPERAGE	MIN. OCPD AMPACITY	STD OCPD SIZE	PARALLEL SETS	CCC SIZE	NEU SIZE	EGC SIZE	CONDUCTOR MATERIAL	WIRE TEMP RATING	TYPE	CONDUIT SIZE OR BUNDLED	TYPE	FILL %	AMPACITY (75 DEG C)	LENGTH (FT)	AMPACITY (90 DEG C)	QTY CCC	QTY NEU	QTY EGC	FILL DERATE NEC 310.15(C)(1)	TEMP DERATE NEC 310.15(B)(1)	DERATED AMPACITY	VOLTAGE DROP
A4	PV SOURCE CIRCUIT	881VDC	13.86	21.62	25	1	#10	N/A	#6	CU	90	PV WIRE	FREE AIR	FREE AIR	--	50	580	55	8	0	1	0.7	0.91	35.04	2.69%
B4	PV SOURCE CIRCUIT	881VDC	13.86	21.62	25	1	#10	N/A	#10	CU	90	PV WIRE	1-1/2"	EMT/PVC	28.15%	35	20	40	8	0	1	0.7	0.91	25.48	0.09%
C	INVERTER OUTPUT CIRCUIT	480VAC	72.2	90.25	100	1	#3	N/A	#8	CU	90	THWN-2	1-1/2"	EMT/PVC	19.20%	100	20	115	3	0	1	1	0.91	104.65	0.13%
D	COMBINED OUTPUT CIRCUIT	480VAC	505.4	631.75	700	3	300	3/0	3/0	AL	90	XHHW-2	3"	EMT/PVC	29.78%	690	40	780	3	1	1	1	0.91	709.8	0.17%
E	PV DISCONNECT OUTPUT CIRCUIT	480VAC	505.4	631.75	700	3	300	300	N/A	AL	90	XHHW-2	3"	EMT/PVC	28.62%	690	10	780	3	1	1	1	0.91	709.8	0.06%

WIRING SCHEDULE

TAG	CIRCUIT TYPE	DESCRIPTION	CONDUIT TYPE	FILL %
A4	PV SOURCE CIRCUIT (DC, CU, 2KV PWIRE)	(8) #10, (1) #6 EGC, FREE AIR	FREE AIR	--
B4	PV SOURCE CIRCUIT (DC, CU, 2KV PWIRE)	(8) #10, (1) #10 EGC, (1) 1-1/2" CONDUIT	PVC	28.15%
C	INVERTER OUTPUT CIRCUIT (AC, CU, THWN-2)	(3) #3, (1) #8 EGC, (1) 1-1/2" CONDUIT	PVC	19.20%
D	COMBINED OUTPUT CIRCUIT (AC, AL, XHHW-2)	3X PARALLEL SETS, 1 SET PER RACEWAY: (3) 300, (1) 3/0 NEU, (1) 3/0 EGC, (1) 3" CONDUIT	PVC	29.78%
E	PV DISCONNECT OUTPUT CIRCUIT (AC, AL, XHHW-2)	3X PARALLEL SETS, 1 SET PER RACEWAY: (3) 300, (1) 300 NEU, (1) 3" CONDUIT	PVC	28.62%

ELECTRICAL EQUIPMENT SCHEDULE

TAG	QTY.	DESCRIPTION
(1)	1223	AUXIN AXN10M410W 410WDC SOLAR MODULE
(2)	VARIES	NEMA 3R/4 JUNCTION BOX
(3)	7	INTEGRATED AC & DC DISCONNECT WITH STRING COMBINER, 25A FUSES PER STRING INPUT (BOTH +/- POLARITIES)
(4)	7	YASKAWA SOLECTRIA SOLAR PVI-60TL-480 STRING-INVERTER, 480VAC, 72.20AAC, 3PH, 3W, NEMA 4X
(5)	1	PV AC COMBINER PANEL, 480Y/277V, 3 PHASE, 4 WIRE, 800A, MLO, NEMA 3R, XXKAIC
(6)	1	DAS PROVIDED BY CONTRACTOR, HUFF COMMUNICATIONS, VITALITY DAS
(7)	1	UTILITY PV AC DISCONNECT, SQUARE D H367NR, LOCKABLE & VISIBLE LOAD-BREAK DISCONNECT, 600VAC, HD, 3 POLE, 800A, (3) 700A CLASS L FUSES, NEMA 3R, 200KAIC, WITHIN 10' OF UTILITY METER
(8)	1	MAIN SWITCHGEAR WITH UTILITY CT METER, 480Y/277V, 3 PHASE, 4 WIRE, 800A, 800A MAIN BREAKER, NEMA 3R

2 SCHEDULES
 SCALE: NTS

SITE SPECIFIC INFORMATION:
 SITE LOCATION: ORLAND, CA 95963
 TEMPERATURE DESIGN LOCATION: OROVILLE
 ASHRAE 2% HIGH TEMPERATURE: 37.7°C
 ASHRAE LOWEST EXPECTED TEMPERATURE: -2.2°C

MODULE INFORMATION:
 AUXIN, AXN10M410W, 410WDC (STC)
 CELL TYPE: MONOCRYSTALLINE
 WDC (CEC): 385.5WDC
 Voc: 37.54VDC (40.03VDC AT -2.2°C)
 Vmp: 31.55VDC (27.25VDC AT 37.7°C)
 Isc: 13.86ADC
 Imp: 13.00ADC
 SERIES FUSE RATING: 30ADC
 Voc CORRECTION (%/°C): -0.244%
 Vmp CORRECTION (%/°C): -0.319%
 MODULE DIMENSIONS: 67.80" X 44.65" X 1.38"

INVERTER INFORMATION:
 YASKAWA SOLECTRIA SOLAR, PVI-60TL-480, STRING-INVERTER, 480V, 3φ
 CEC WEIGHTED EFFICIENCY (PTC): 98.5%
 START VOLTAGE: 330VDC
 MPPT MINIMUM VOLTAGE: 540VDC
 MPPT MAXIMUM VOLTAGE: 850VDC
 MAXIMUM DC INPUT VOLTAGE: 1000VDC
 NOMINAL POWER INPUT: 90000WDC
 MAXIMUM POWER OUTPUT: 60000WAC
 MAXIMUM CURRENT OUTPUT: 72.20AAC
 AC NOMINAL VOLTAGE OUTPUT: 480VAC
 MAX. AC OVERCURRENT PROTECTION ALLOWED: 125AAC

ARRAY SPECIFICATIONS
 MODULES: 1223
 INVERTERS: 7

INV-1 THRU INV-4
 (8) SOURCE CIRCUITS OF 22 MODULES

INV-5 THRU INV-7
 (5) SOURCE CIRCUITS OF 22 MODULES &
 (3) SOURCE CIRCUITS OF 21 MODULES

ARRAY ELECTRICAL SPECIFICATIONS
 (VALUES BASED ON 22 MODULES PER STRING MAX., 1 STRING(S) IN PARALLEL MAX.)
 MAXIMUM SYSTEM VOLTAGE: 880.69VDC @ -2.2°C
 RATED MAX POWER POINT VOLTAGE: 694.10VDC
 ADJ. VMP OF ARRAY AT 37.7°C HIGH TEMP (BASED ON 21 MODULES IN SERIES): 572.30VDC
 RATED ISC OF ARRAY: 13.86ADC
 MAXIMUM SHORT CIRCUIT CURRENT: 17.33ADC
 RATED MAX POWER POINT CURRENT: 13.00ADC

VOLTAGE CALCULATIONS: NEC 690.7
 LOW TEMPERATURE FOR DESIGN (ASHRAE LOW TEMP) = -2.2°C
 ARRAY Voc AT STC: 37.54VDC X 22 MODULE IN SERIES = 825.88VDC
 TEMPERATURE ADJUSTED Voc:
 $[825.88VDC \times (1 + ((-2.2°C - 25°C) \times (-0.244\%)))] = 880.69VDC$
 MAX. Voc PER INVERTER MANUFACTURER REQ. = 1000VDC
 880.69VDC ≤ 1000VDC (OK)

1 ELECTRICAL SPECIFICATIONS
 SCALE: NTS

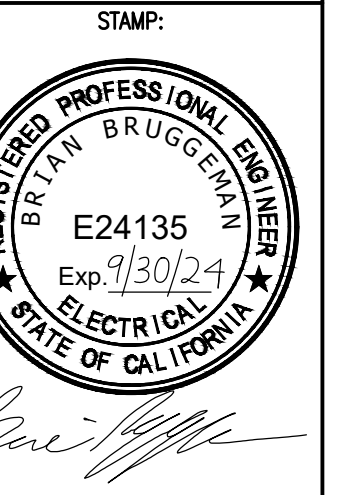
INVERTER STRING SCHEDULE							
PVI-60TL-480 INV-1,2,3,4				PVI-60TL-480 INV-5,6,7			
MPPT #	STR #	MOD QTY	WATTS	MPPT #	STR #	MOD QTY	WATTS
1	1	22	9,020	1	1	22	9,020
	2	0	0		2	0	0
	3	22	9,020		3	22	9,020
	4	0	0		4	0	0
	5	22	9,020		5	22	9,020
MPPT TOTAL	2	66	27,060	MPPT TOTAL	2	66	27,060
2	6	22	9,020	2	6	22	9,020
	7	0	0		7	0	0
	8	22	9,020		8	22	9,020
	9	0	0		9	0	0
	10	22	9,020		10	0	0
MPPT TOTAL	2	66	27,060	MPPT TOTAL	1	44	18,040
3	11	22	9,020	3	11	21	8,610
	12	0	0		12	0	0
	13	22	9,020		13	21	8,610
	14	0	0		14	0	0
	15	0	0		15	21	8,610
MPPT TOTAL	1	44	18,040	MPPT TOTAL	2	63	25,830
	# OF STR	MOD QTY	WATTS/INV		# OF STR	MOD QTY	WATTS/INV
INV TOTALS	5	176	72,160	INV TOTALS	5	173	70,930
			120.27%				118.22%

3 INVERTER STRING SCHEDULE
 SCALE: NTS

PANELBOARD SCHEDULE												
PV AC COMBINER PANEL, 800AMP			MAIN LUG ONLY (MLO)				480VAC, 3φ, 4W & GND					
LOAD DESCRIPTION	KVA LOAD			CB/ PHASE	CKT. NO.	φ	CKT. NO.	CB/ PHASE	KVA LOAD			
	φA	φB	φC						φA	φB	φC	
INV-1	20			100/3P	7	A	8	100/3P	20			
		20			9	B	10			20		
			20		11	C	12				20	
INV-3	20			100/3P	13	A	14	100/3P	20			
		20			15	B	16			20		
			20		17	C	18				20	
INV-5	20			100/3P	19	A	20	100/3P	20			
		20			21	B	22			20		
			20		23	C	24				20	
INV-7	20			100/3P	25	A	26					
		20			27	B	28					
			20		29	C	30					
	80	80	80		SUB-TOTAL			60	60	60		
PHASE A 140 KVA												
PHASE B 140 KVA TOTAL LOAD 420 KVA												
PHASE C 140 KVA												

2 ELECTRICAL PANELBOARD/SWITCHBOARD SCHEDULES
 SCALE: NTS

CONCEPT
 CLEAN ENERGY
 668 N. COAST HWY.,
 STE 272
 LAGUNA BEACH, CA
 92651
 L#: 1042800



GRID-TIE SOLAR ELECTRIC SYSTEM
 VIOLICH FARMS INC.
 GREENWOOD, NORTHSTATE SERVICE
 6545-6540 CO RD 27
 ORLAND, CA 95963

PROJECT NUMBER:
 23-3639C
 SCALE:
 NTS
 ORIGINAL SIZE 24"X36"
 SHEET SIZE ARCH "D"
 0 1/2" 1"

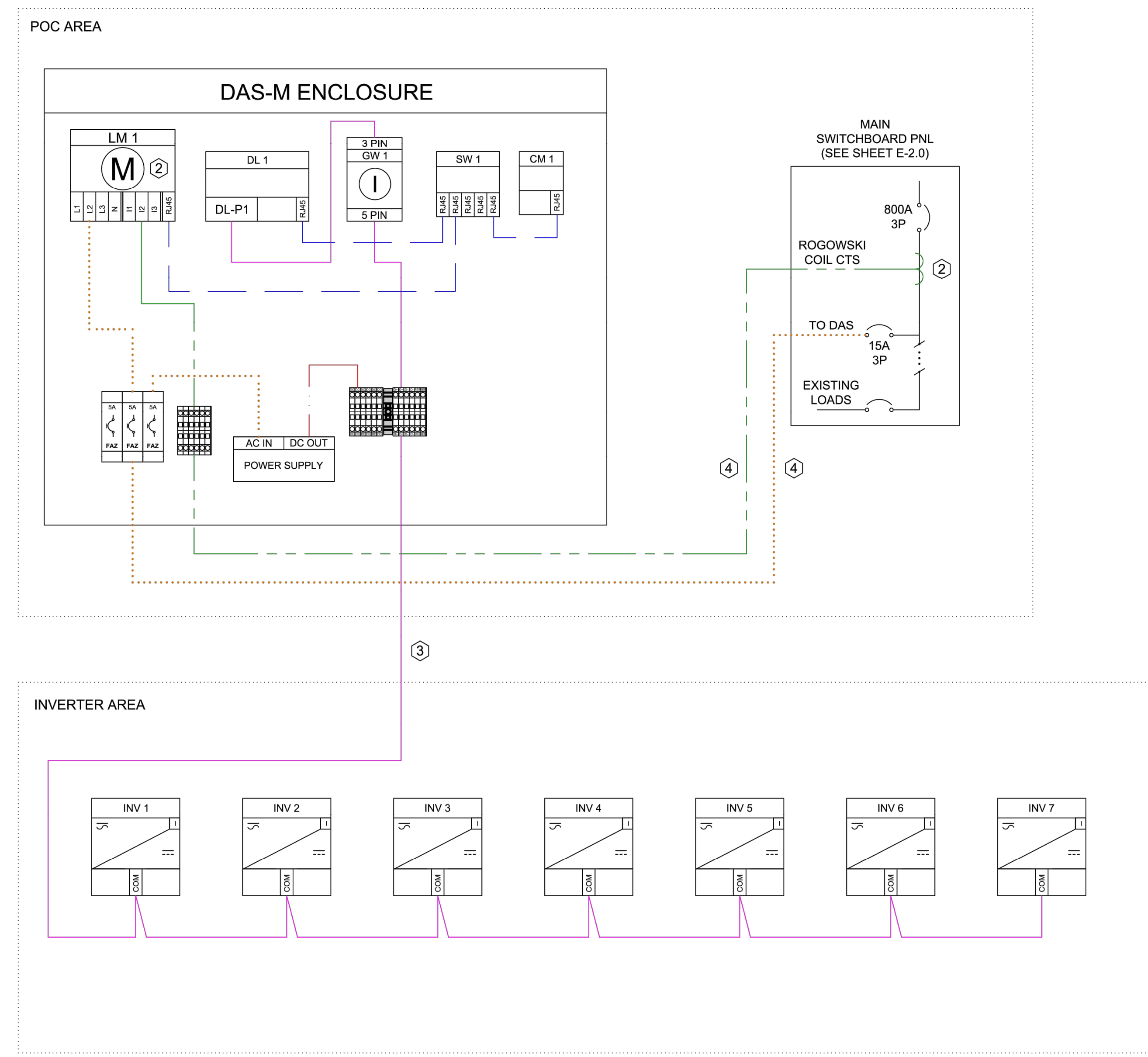
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REV	ISSUED BY	DESCRIPTION
8/17/23	RH/BB	UTILITY INTERCONNECTION SET
9/26/23	NK/BB	CD IFR - ISSUED FOR REVIEW
10/27/23	NK/BB	CD IFC - ISSUED FOR CONSTRUCTION

SHEET NO. & NAME:
 E-2.1
 ELECTRICAL SPECIFICATIONS

PRINT DATE: 10/27/2023 12:33 PM DWG LOCATION: g:\shared drives\Design\Projects\concept clean energy\23-3639c - greenwood\working set\E-2.1 ELECTRICAL SPECIFICATIONS.dwg

PRINT DATE: 10/27/2023 12:33 PM DWG LOCATION: g:\shared drives\Design\Projects\concept_clean_energy\23-3639c - greenwood_working set\E-2.2 NETWORK MONITORING DIAGRAM.dwg



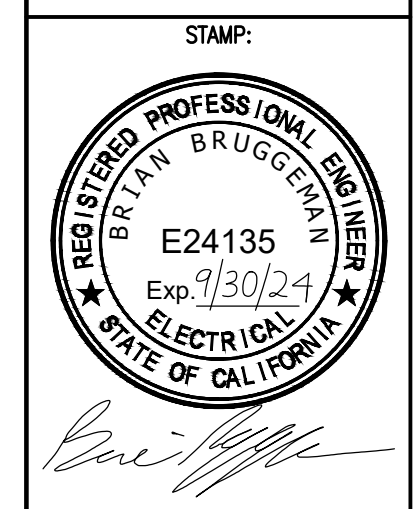
WIRE LEGEND	
① RS485 -	— (Solid Purple)
CAT5E -	— (Dashed Blue)
24V DC -	— (Dashed Red)
277/480V AC -	— (Dotted Green)
CTS -	— (Dashed Green)

NOTES:

- ① FOR UNDERGROUND RUNS USE BELDEN 3106DB, ABOVE GROUND USE BELDEN 3106A
- ② LOAD METER CTS TO BE CONFIGURED TO MONITOR LOAD CURRENT ONLY
- ③ 1" CONDUIT MINIMUM, DOWNSIZING TO 3/4" AT INVERTER PENETRATION OK
- ④ 1" CONDUIT MINIMUM, CT SECONDARIES AND VOLTAGE TAPS TO BE INSTALLED IN SEPERATE CONDUITS

NETWORK SCHEDULE									
ID	TYPE	MANUF.	MODEL	DEVICE NAME	IP ADDRESS	MODBUS ADDRESS	RS-485 PORT/TERMINAL	LOCATION	NOTES
CM 1	CELL MODEM	SIERRA WIRELESS	RV50	CELL MODEM	192.168.13.1	-	-	DAS-M	SUBNET MASK: 255.255.255.0 DHCP RANGE: 192.168.13.225-254
DL 1	DATA LOGGER	OBVIUS	A8810	DATA LOGGER	192.168.13.2	-	-	DAS-M	
LM 1	LOAD METER	ACCUENERGY	ACUVIM II	LOAD METER	192.168.13.70	-	-	DAS-M	
SW 1	ETHERNET SWITCH	MOXA	EDS-2005-EL-T	SWITCH	-	-	-	DAS-M	
GW 1	INVERTER GATEWAY	SOLECTRIA	FLEX GATEWAY	GATEWAY	DHCP	-	PORT 1	DAS-M	
INV 1-7	INVERTER	SOLECTRIA	PVI-60TL-480	INV 1....INV 7	-	1-7	PORT 1	INVERTER AREA	

HUFF COMMUNICATIONS
7340 MORRO ROAD
ATASCADERO, CA 93422
PH (805) 816-4007



CLIENT
CONCEPT CLEAN ENERGY

PROJECT
C.F. VIOLICH WEST RANCH - NORTH WELL SOLAR TUB
39.676285, -122.182412
GREENWOOD, CA

GRID-TIE SOLAR ELECTRIC SYSTEM
VIOLICH FARMS INC.
GREENWOOD, NORTHSTATE SERVICE
6545-6540 CO RD 27
ORLAND, CA 95963

PROJECT NUMBER:
23-3639C
SCALE
NTS
ORIGINAL SIZE 24"x36"
SHEET SIZE ARCH "D"
0 1/2" 1"

REV	DATE	DESCRIPTION
0	-	-

DESIGN ENGINEER: JON HUFF

SHEET TITLE:
NETWORK MONITORING DIAGRAM

SHEET NUMBER:
001

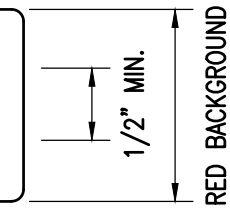
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SHEET NO. & NAME:
E-2.2
NETWORK MONITORING DIAGRAM

CEC 2022 690.31(C)(3)

WARNING: PHOTOVOLTAIC POWER SOURCE



LABEL SHALL BE LOCATED ON ALL EXPOSED RACEWAYS, CABLE TRAYS, OTHER WIRING METHODS, COVERS OR ENCLOSURES OF PULL BOXES AND JUNCTION BOXES AND ON CONDUIT BODIES IN WHICH ANY OF THE AVAILABLE CONDUIT OPENINGS ARE UNUSED. LABEL SHALL BE REFLECTIVE, AND ALL LETTERS CAPITALIZED AND SHALL BE MINIMUM HEIGHT OF 3/8" IN WHITE ON A RED BACKGROUND. SPACING BETWEEN LABELS OR MARKINGS, OR BETWEEN A LABEL AND MARKING, SHALL NOT BE MORE THAN 10FT.

CEC 2022 690.53

MAXIMUM DC VOLTAGE OF PV SYSTEM

MAXIMUM VOLTAGE: 880.7VDC

LABEL TO BE LOCATED ON COVER OF DC DISCONNECTING MEANS. (7) TOTAL

CEC 2022 705.12(B)(3)(3)

WARNING

THIS EQUIPMENT FED BY MULTIPLE SOURCES

TOTAL RATING OF ALL OVERCURRENT DEVICES, EXCLUDING MAIN SUPPLY OVERCURRENT DEVICE, SHALL NOT EXCEED AMPACITY OF BUSBAR.

PERMANENT WARNING LABEL SHALL BE APPLIED TO DISTRIBUTION EQUIPMENT WHERE THE PV SYSTEM INTERCONNECTS. (1) TOTAL

CEC 2022 690.13(B), 690.54

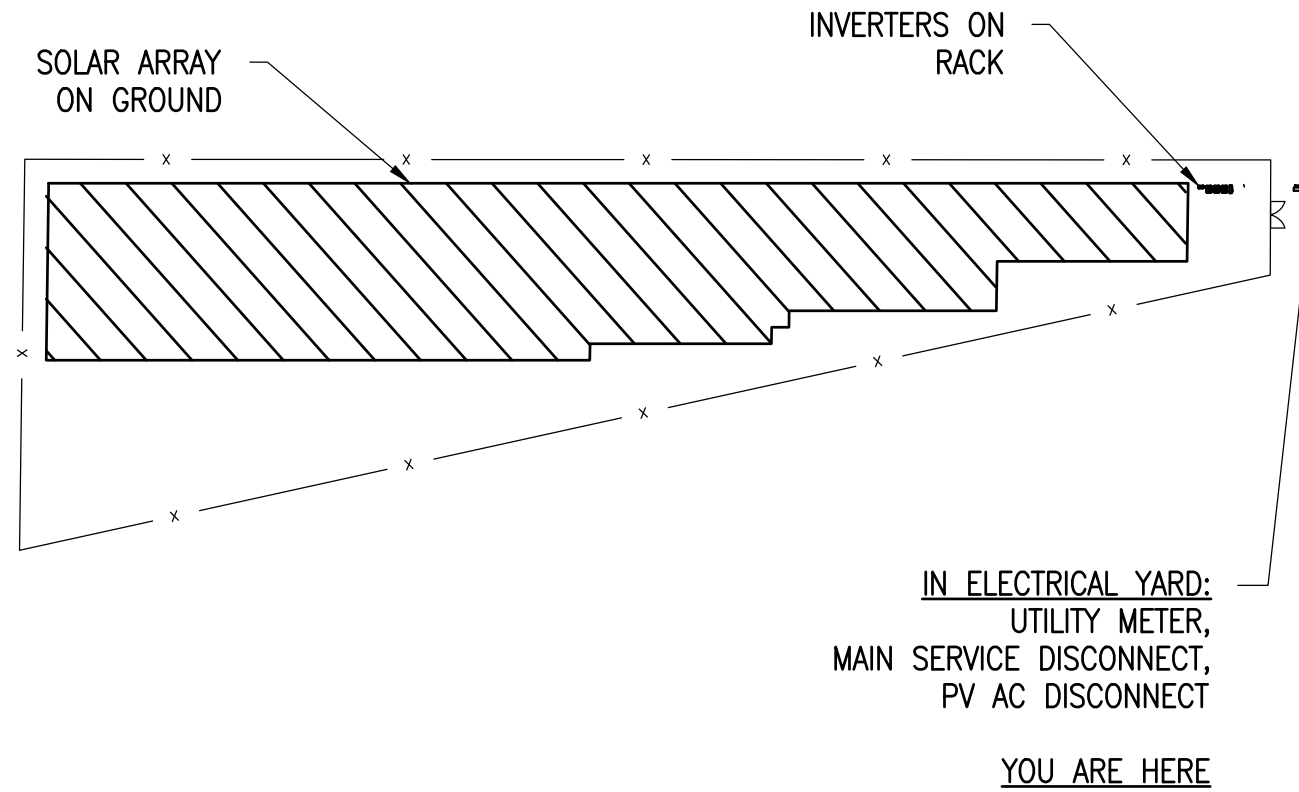
NOTICE

PHOTOVOLTAIC SYSTEM AC DISCONNECT AND POWER SOURCE
RATED OUTPUT CURRENT: 505.4AAC
NOMINAL OPERATING VOLTAGE: 480VAC

LABEL TO BE LOCATED ON THE PV SYSTEM AC DISCONNECT. (1) TOTAL

CEC 2022 690.4(D), 705.10

CAUTION MULTIPLE SOURCES OF POWER DISCONNECTS SHOWN AS LOCATED



LABEL TO BE APPLIED AT SERVICE EQUIPMENT LOCATION OR ON ALL POWER PRODUCTION SOURCES CAPABLE OF BEING INTERCONNECTED. LOCATED AT UTILITY METER #30183589 (1) TOTAL

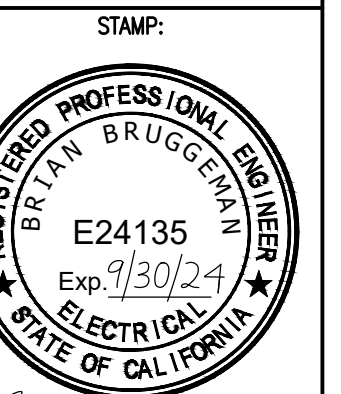
SHEET NOTES

- SEE ELECTRICAL NOTES E-0.0 SHEET "REQUIRED SAFETY SIGNS AND LABELS" FOR ADDITIONAL INFORMATION.
- THE LABELS AND MARKINGS ARE FOR REFERENCE ONLY AND THE FINAL DESIGN AND CONTENT MAY VARY FROM WHAT IS SHOWN. LABELS PROVIDED BY HELERMANNNTYTON OR PV LABELS MAY VARY IN DESIGN, CONTENT AND QUANTITY REQUIRMENTS FROM WHAT IS SHOWN ON THIS SHEET. IT IS UP TO THE CONTRACTOR TO VERIFY FINAL LABEL SELECTION MEETS OR EXCEEDS THE DESIGN AND CONTENT AS SHOWN.
- HELERMANNNTYTON AND PV LABELS PART NUMBERS INCLUDING THE WORDS "CUSTOM" INDICATE THAT THEY ARE ONLY PROVIDING THE LABEL MATERIAL BUT NOT THE DESIGN AS SHOWN.
- THE MARKING OR LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. CEC 110.21(A)
- THE MARKING SHALL ADEQUATELY WARN OF THE HAZARD USING EFFECTIVE WORDS AND/OR COLORS AND/OR SYMBOLS. CEC 110.21(B)(1)
- THE LABEL SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT OR WIRING METHOD AND SHALL NOT BE HAND WRITTEN. CEC 110.21(B)(2).
- LABELS AND MARKINGS SHALL BE APPLIED TO THE APPROPRIATE COMPONENTS IN ACCORDANCE WITH THE CEC.
- SOLAR MODULES ARE SUPPLIED FROM THE MANUFACTURER WITH MARKINGS PRE-APPLIED TO MEET THE REQUIREMENTS OF CEC 690.51.
- UNLESS OTHERWISE STATED ON LABEL SPECIFIC NOTES, OSHA 1910.145 AND ANSI Z535 RECOMMENDED SPECIFICATIONS ARE AS FOLLOWS:

- ROUNDED OR BLUNT CORNERS FREE OF SHARP EDGES.
- VISIBLE AT A MINIMUM DISTANCE OF 5FT OR GREATER.
- "DANGER" HEADER; RED BACKGROUND WITH WHITE LETTERING.
- "WARNING" HEADER; ORANGE BACKGROUND WITH BLACK LETTERING.
- "CAUTION" HEADER; YELLOW BACKGROUND WITH BLACK LETTERING.
- "NOTICE" LABEL HEADER TO BE IN BLUE WITH WHITE LETTERING.
- ALL OTHER TEXT TO BE BLACK ON A WHITE BACKGROUND.

CONCEPT
CLEAN ENERGY

668 N. COAST HWY.,
STE 272
LAGUNA BEACH, CA
92651
L#: 1042800



Brian Bruggeman

GRID-TIE SOLAR ELECTRIC SYSTEM
VIOLICH FARMS INC.
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6545-6540 CO RD 27
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SHEET NO. & NAME:

E-3.0
LABELS & MARKINGS

