

Coachella Civic Center, Hearing Room 53-462 Enterprise Way, Coachella, California (760) 398-3502 • www.coachella.org

### AGENDA

OF A REGULAR MEETING OF THE CITY OF COACHELLA PLANNING COMMISSION

#### February 16, 2022 6:00 PM

## PURSUANT ASSEMBLY BILL 361, ALONG WITH THE GOVERNOR'S STATE OF EMERGENCY DECLARATION ISSUED ON MARCH 4, 2020, THIS MEETING MAY BE CONDUCTED VIA TELECONFERENCE.

If you would like to attend the meeting via zoom, here is the link:

https://us02web.zoom.us/j/84544257915?pwd=VTdHWitpYVdOUk1NQW8vZ1pqUm0zQT09 Or one tap mobile : Us: +16699006833,, 84544257915#,,,,\* 380084# US Or telephone: Us: +1 669 900 6833 Webinar ID: 845 4425 7915 Passcode: 380084

Spanish: El idioma español está disponible en Zoom seleccionado la opción en la parte de abajo de la pantalla

Public comments may be received via email, telephonically, or via zoom with a limit of 250 words, or three minutes:

#### In real time:

If participating in real time via zoom or phone, during the public comment period, use the "raise hand" function on your computer, or when using a phone, participants can raise their hand by pressing \*9 on the keypad.

#### In writing:

Written comments may be submitted to the commission electronically via email to <u>gperez@coachella.org</u>. Transmittal prior to the start of the meeting is required. All written comments received will be forwarded to the commission and entered into the record.

IF YOU WISH, YOU MAY LEAVE A MESSAGE AT (760) 398-3102, EXTENSION 122, BEFORE 4:00 P.M. ON THE DAY OF THE MEETING.

#### CALL TO ORDER:

#### PLEDGE OF ALLEGIANCE:

#### **ROLL CALL:**

#### APPROVAL OF AGENDA:

"At this time the Commission may announce any items being pulled from the agenda or continued to another date or request the moving of an item on the agenda."

#### APPROVAL OF THE MINUTES:

1. Draft Planning Commission Meeting Minutes - January 19, 2022

#### WRITTEN COMMUNICATIONS:

#### PUBLIC COMMENTS (NON-AGENDA ITEMS):

"The public may address the Commission on any item of interest to the public that is not on the agenda, but is within the subject matter jurisdiction thereof. Please limit your comments to three (3) minutes."

#### **REPORTS AND REQUESTS:**

#### **NON-HEARING ITEMS:**

- 2. <u>Woodspur Farms Photovoltaic Project</u> A request to consider an appeal of conditions of approval contained in the Architecture Review (AR) 21-10 (Admin) for a solar farm project located 52200 Industrial Way. Applicant, William Hsien
- <u>3.</u> Interpretation of Coachella Municipal Code Section 17.72.010.F.1 (Architectural Review) approval authority for the architectural review of single-family residences. City-Initiated

#### PUBLIC HEARING CALENDAR (QUASI-JUDICIAL):

#### **INFORMATIONAL:**

Upcoming Ethics Training Webinar – Thursday, February 24 10:00 A.M.

#### **ADJOURNMENT:**

Complete Agenda Packets are available for public inspection in the Development Services Department at 53-990 Enterprise Way, Coachella, California, and on the City's website <u>www.coachella.org</u>.

#### THIS MEETING IS ACCESSIBLE TO PERSONS WITH DISABILITIES



Centro Cívico de Coachella, Sala de Audiencias 53-462 Enterprise Way, Coachella, California (760) 398-3502 • www.coachella.org

#### AGENDA

DE UNA REUNIÓN ORDINARIA DE LA COMISIÓN DE PLANIFICACIÓN DE LA CIUDAD DE COACHELLA

> 16 de Febrero, 2022 6:00 PM

#### DE ACUERDO CON EL PROYECTO DE LEY 361 DE LA ASAMBLEA, JUNTO CON LA DECLARACIÓN DEL ESTADO DE EMERGENCIA DEL GOBERNADOR EMITIDA EL 4 DE MARZO DE 2020, ESTA REUNIÓN SE PODRÁ REALIZAR POR TELECONFERENCIA.

Si desea asistir a la reunión a través de zoom, aquí está el enlace:

https://us02web.zoom.us/j/84544257915?pwd=VTdHWitpYVdOUk1NQW8vZ1pqUm0zQT09 O one tap mobile: Us: +16699006833,, 84544257915#,,,,\* 380084# US O teléfono: Us: +1 669 900 6833 ID del webinar: 845 4425 7915 Código de acceso: 380084

Español: El idioma español está disponible en Zoom seleccionado la opción en la parte de abajo de la pantalla

Los comentarios públicos se pueden recibir por correo electrónico, por teléfono o por zoom con un límite de 250 palabras o tres minutos:

#### En vivo:

Si participa en vivo a través de zoom o teléfono, durante el período de comentarios públicos, use la función "levantar la mano" en su computadora, o cuando use un teléfono, los participantes pueden levantar la mano presionando \*9 en el teclado.

#### Por escrito:

Los comentarios escritos pueden enviarse a la comisión electrónicamente por correo electrónico a <u>gperez@coachella.org</u>. Se requiere la transmisión antes del inicio de la reunión. Todos los comentarios escritos recibidos serán enviados a la comisión e ingresados en el registro.

SI LO DESEA, PUEDE DEJAR UN MENSAJE EN EL (760) 398-3102, EXTENSIÓN 122, ANTES DE LAS 4:00 P.M. DEL DÍA DE LA REUNIÓN.

#### **LLAMADO AL ORDEN:**

#### JURAMENTO A LA BANDERA:

#### PASE DE LISTA:

#### APROBACIÓN DE LA AGENDA:

"En este momento, la Comisión puede anunciar cualquier punto que está siendo retirado de la agenda o continuado a otra fecha o solicitar el traslado de un punto de la agenda".

#### **APROBACION DE LAS ACTAS:**

1. Borrador de las Actas de la Comisión de Planificación - 19 de enero de 2022

#### **COMUNICACIONES ESCRITAS:**

#### COMENTARIOS DEL PÚBLICO (PUNTOS QUE NO ESTÁN EN LA AGENDA):

"El público puede dirigirse a la Comisión sobre cualquier tema de interés para el público que no esté en la agenda, pero que esté dentro de la jurisdicción de la materia de la misma. Por favor limite sus comentarios a tres (3) minutos".

#### **INFORMES Y SOLICITUDES:**

#### PUNTOS QUE NO SON DE AUDIENCIA:

- 2. Proyecto fotovoltaico de Woodspur Farms: Una solicitud para considerar una apelación de las condiciones de aprobación contenidas en la Revisión de Arquitectura (AR) 21-10 (Admin) para un proyecto de granja solar ubicado en 52200 Industrial Way, Solicitante, William Hsien.
- 3. Interpretación de la autoridad de aprobación del Código Municipal de Coachella Sección 17.72.010.F.1 (Revisión arquitectónica) para la revisión arquitectónica de residencias unifamiliares.

#### CALENDARIO DE AUDIENCIAS PÚBLICAS (CUASI-JUDICIAL):

#### **INFORMATIVO:**

Próximo seminario web de capacitación en ética: Jueves 24 de febrero a las 10:00 a.m.

#### <u>SE LEVANTA LA SESIÓN:</u>

Los paquetes completos de la agenda están disponibles para inspección pública en el Departamento de Servicios de Desarrollo en 53-990 Enterprise Way, Coachella, California, y en el sitio web de la ciudad <u>www.coachella.org</u>.

#### ESTA REUNIÓN ES ACCESIBLE PARA PERSONAS CON DISCAPACIDAD

CALIFORNUL

Coachella Civic Center, Hearing Room 53-462 Enterprise Way, Coachella, California (760) 398-3502 ◆ www.coachella.org

## MINUTES

OF A REGULAR MEETING OF THE CITY OF COACHELLA PLANNING COMMISSION

#### **January 19, 2022** 6:00 PM

#### CALL TO ORDER: 6:01 P.M.

#### PLEDGE OF ALLEGIANCE:

#### **ROLL CALL:**

Commissioners Present:	Commissioner Figueroa, Commissioner Gonzalez, Commissioner Leal, Vice Chair Navarrete, Chair Virgen (All Planning Commissioners participated via teleconference)
Staff Present:	*Gabriel Perez, Development Services Director *Nikki Gomez, Associate Planner *Rosa Montoya, Planning Technician *Celina Jimenez, Grants Manager *Andrew Simmons, City Engineer *Participated in meeting via teleconference

#### **SPECIAL ORDER OF BUSINESS**

#### Selection of Planning Commission Chair and Vice-Chair

Commissioner Figueroa nominated Vice Chair Navarrete as Chair. Leal made an alternate motion that Vice Chair Navarrete and Chair Virgen continue in their roles as Vice Chair and Chair. Chair Virgen asked if there was a second to the original nomination of Vice Chair Navarrete as Chair. There was no second to the motion and the motion failed due to a lack of a second to the motion. Commissioner Gonzalez seconded the alternate motion made by Commissioner Leal that Vice Chair Navarrete and Chair Virgen continue in their roles as Vice Chair and Chair. Separate Roll Call votes were taken for the consideration of Vice Chair Navarrete and Chair Virgen to continue their roles as Vice Chair and Chair

## IT WAS MOVED BY COMMISSIONER LEAL AND SECOND BY COMMISSION GONZALEZ TO SELECT CHAIR VIRGEN TO CONTINUE AS PLANNING COMMISSION CHAIR.

Approved Chair Stephanie Virgen as Chair by the following roll call vote: AYES: Vice Chair Navarrete, Chair Virgen, Commissioner Gonzalez, Commissioner Leal, Commissioner Figueroa. NOES: None. ABSTAIN: None.

#### ABSENT: None.

## IT WAS MOVED BY COMMISSIONER LEAL AND SECOND BY COMMISSION GONZALEZ TO SELECT VICE CHAIR NAVARRETE TO CONTINUE AS PLANNING COMMISSION VICE CHAIR.

Approved Vice Chair Miguel Navarrete as Vice Chair by the following roll call vote: AYES: Vice Chair Navarrete, Chair Virgen, Commissioner Gonzalez, Commissioner Leal, Commissioner Figueroa. NOES: None. ABSTAIN: None. ABSENT: None.

#### APPROVAL OF AGENDA:

"At this time the Commission may announce any items being pulled from the agenda or continued to another date or request the moving of an item on the agenda."

IT WAS MOVED BY VICE CHAIR NAVARRETE AND SECOND BY COMMISSION GONZALEZ TO APPROVE THE AGENDA.

Approved agenda on a roll call vote:

AYES: Vice Chair Navarrete, Chair Virgen, Commissioner Gonzalez, Commissioner Leal, Commissioner Figueroa. NOES: None. ABSTAIN: None. ABSENT: None.

#### **APPROVAL OF THE MINUTES:**

1. Draft Planning Commission Minutes - January 5, 2022

## IT WAS MOVED BY COMMISSIONER FIGUEROA AND SECOND BY VICE CHAIR NAVARRETE TO APPROVE THE MINUTES.

Approved minutes on a roll call vote: AYES: Vice Chair Navarrete, Chair Virgen, Commissioner Gonzalez, Commissioner Leal, Commissioner Figueroa. NOES: None. ABSTAIN: None. ABSENT: None.

#### WRITTEN COMMUNICATIONS:

None

#### PUBLIC COMMENTS (NON-AGENDA ITEMS):

#### Minutes Page 3

"The public may address the Commission on any item of interest to the public that is not on the agenda, but is within the subject matter jurisdiction thereof. Please limit your comments to three (3) minutes."

#### **REPORTS AND REQUESTS:**

None

#### **NON-HEARING ITEMS:**

#### 2. Coachella Sunline Transportation Hub (Architectural Review No 21-13)

The Sunline Transit Hub will serve as a transit center for Sunline Transit Agency services (Line 111, Line 91, Line 92, Line 95) and will include a 540 sq. ft. breakroom/office building for the use of Sunline Transit Agency staff, five bus shelters, landscape improvements, and a corner focal point for a future public art installation located at the Southeast corner of Cesar Chavez Street and 4th Street.

Gabriel Perez, Development Services Director, narrated a PowerPoint Presentation for the item. A copy of the Presentation is on file in the Planning Division.

Harman Singh, Sunline representative, indicated that micro transit "sun ride" for first mile, last mile rides would be provided from the proposed transportation hub. He stated that Planning Commission restroom feedback would be discussed with Sunline staff. He clarified that there is no security at bus stops and that surveillance cameras would monitor activity at the site.

Jesse Frescas, Sunline representative, indicated that the plans for the Veteran's park restroom require a release by the architect of record. He stated construction costs of \$200,000 for a pre-manufactured 500 sq. ft. building such as the one proposed. He further stated that constructions costs range to accommodate the aesthetic improvements would be \$250-350 sq. ft. for a 500 sq. ft. building and indicated the entire costs for the building would be a \$1 million building. Mr. Frescas stated that the construction budget is \$1.3 million and that there has been a 30% increase experienced in construction bids over the last 9 months. He indicated that the \$1.3 million budget for the transit hub would likely require \$1.6 million.

Brad Donais, P.E., project design engineer with Heptagon Seven, confirmed 4<sup>th</sup> Street and Cesar Chavez Street corner will be preserved for public art including electrical conduit and water service. He indicated surveillance cameras would be placed on light poles. He highlighted that there would be space for 4 buses concurrently, 2 buses off-site, and space adjacent to transit building for micro-routes or maintenance vehicles. He clarified that the \$1.8 million budget includes costs to purchase of the land. Mr. Donais stated some project features are understated due to the limited budget and they would do their best to work with staff to accommodate the Planning Commission requests.

During the ensuing discussion, the Commissioners, either individually or in agreement, provided the following commentary:

- Suggested searching for plans for Veteran's Park for restroom building that would
- Inquired if services at transportation hub is available for other transportation options other than Sunline.
- Inquired if this would be a designated Uber and Lyft pick up area.

- Inquired if the modular building is proposed to save construction and maintenance costs.
- Expressed concerns about potential traffic congestion of buses that may affect Cesar Chavez Street.
- Recommended date palms be added to the corner of 4<sup>th</sup> Street and Cesar Chavez Street.
- Inquired if the proposed pedestrian path between 5<sup>th</sup> Street and transit hub would be lit.
- Recommended public restrooms for public convenience, even if costs were greater.
- Recommended security to assist in maintaining the public safety with the restroom.

Staff provided the following clarification to the Planning Commission:

- Various transportation options would be available from the transit hub such as van pooling services.
- Mario Lascano Street will be finished within the first 30 days of construction and is a 2-way street that has in-and-out access from 4<sup>th</sup> Street and an exit only at Cesar Chavez Street.
- Chelsea Investment Corporation constructed 20 parking stalls and the southern portion of Mario Lascano Street. The northern portion of the street is to be constructed by the City.
- Bollards and overhead lighting would be installed consistent with the Pueblo Viejo design theme between 5<sup>th</sup> Street and the transit hub.

## IT WAS MOVED BY COMMISSIONER GONZALEZ AND SECONDED BY COMMISSIONER FIGUEROA TO:

• Bring back item and incorporate staff design recommendations, Planning Commission recommendations, including restrooms with incorporation of gender-neutral restrooms for cost savings.

Approved the motion to continue the item with modifications on a roll call vote:

- AYES: Vice Chair Navarrete, Chair Virgen, Commissioner Gonzalez, Commissioner Leal, Commissioner Figueroa.
- NOES: None.
- ABSTAIN: None.
- ABSENT: None.

#### PUBLIC HEARING CALENDAR (QUASI-JUDICIAL):

3. Coachella Valley Growers LLC Interim Outdoor Cannabis Cultivation

Conditional Use Permit 345 to allow interim outdoor cannabis cultivation on a 79.39 acre site located at 50501 Fillmore Street. (APN 763-070-012 & 763-070-010). Coachella Valley Growers, LLC.

Nikki Gomez, Associate Planner, narrated a PowerPoint Presentation for the item. A copy of the Presentation is on file in the Planning Division.

During the ensuing discussion, the Commissioners, either individually or in agreement, provided the following commentary:

- Inquired if Fillmore Street would be improved with this project due to the condition of Fillmore Street.
- Clarified that the applicant was subject to an approved special event permit for the outdoor cannabis cultivation operation previously and that the permit expired December of 2021.

Minutes Page 5

Staff clarified that cost sharing agreement for street improvements and that the applicant would be responsible for removal and replacement of the Fillmore half-street along the project frontage for a 34 foot width.

Chair Virgen opened the public hearing at 7:25 P.M. and closed the public hearing at 7:26 P.M. There were no public comments

IT WAS MOVED BY COMMISSIONER GONZALEZ AND SECONDED BY VICE CHAIR NAVARRETE TO ADOPT RESOLUTION NO. PC2022-02, A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF COACHELLA, CALIFORNIA APPROVING CONDITIONAL USE PERMIT 345 TO ALLOW INTERIM OUTDOOR CANNABIS CULTIVATION ON 79.39 ACRES SITE LOCATED AT 50501 FILLMORE STREET, COACHELLA, CA 92236 (APN 763-070-012 & 760-070-010).

Approved the item with modifications on a roll call vote:

- AYES: Vice Chair Navarrete, Chair Virgen, Commissioner Gonzalez, Commissioner Leal
- NOES: None.
- ABSTAIN: Commissioner Figueroa
- ABSENT: None.

#### **INFORMATIONAL:**

#### ADJOURNMENT: 7:30 P.M.

Respectfully Submitted by,

Gabriel Perez Planning Commission Secretary

> Complete Agenda Packets are available for public inspection in the Development Services Department at 53-990 Enterprise Way, Coachella, California, and on the City's website <u>www.coachella.org</u>.

> > THIS MEETING IS ACCESSIBLE TO PERSONS WITH DISABILITIES



#### STAFF REPORT 2/16/2022

To: Planning Commission Chair and Commissioners

FROM: Nikki Gomez, Associate Planner

**SUBJECT:** Woodspur Farms Photovoltaic Project - A request to consider an appeal of conditions of approval contained in the Architecture Review (AR) 21-10 (Admin) for a solar farm project located 52200 Industrial Way. Applicant, William Hsien

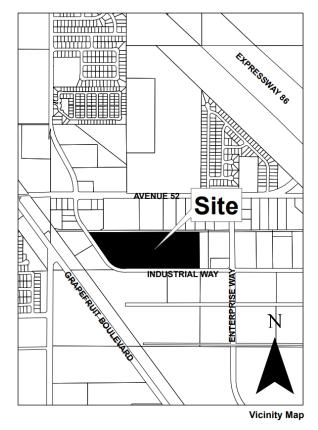
#### **STAFF RECOMMENDATION:**

Staff recommends that the Planning Commission review the information contained in the staff report regarding the applicant's appeal request and uphold the Director's decision for AR 21-10.

#### **BACKGROUND:**

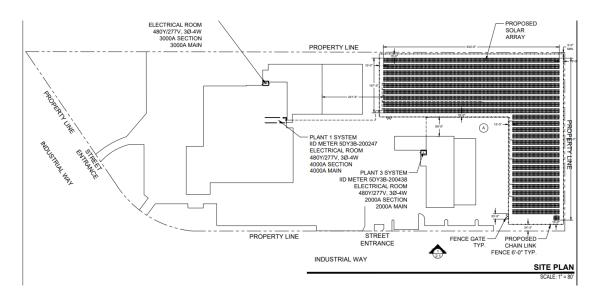
On September 1, 2021, the applicant, William Hsien, submitted an Administrative Architecture Review (AR 21-10) application to the Planning Division for a ground mounted solar farm located at 52200 Industrial Way. The project for the installation of a total of 4.7-acre (4,996 panels) ground mounted solar farm at the northeast corner of an existing agricultural packaging and processing facility Woodspur Farms facility within the M-H (Heavy Industrial) zoning district. The proposed ground mounted solar farm is proposed at 4'-7" in height is entirely confined within the subject site with a setback of 38 feet from the Industrial Way street frontage. The ground mounted solar will interconnect to the three (3) IID electrical meters to offset onsite power usage.

Since providing the applicant the preliminary conditions of approval for the project, staff has been actively in communication with the applicant about the conditions of approval associated with the project. On January 10, 2022, a Decision Letter to the AR 21-10 (Admin) project was sent to the applicant.



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10



#### **REQUEST FOR APPEAL REGARDING CONDITIONS OF APPROVAL:**

City staff and the applicant have been working diligently over the course of several months to come to an agreement with the project conditions of approval. Pursuant to Section 17.70.080 of the Coachella Municipal Code any person aggrieved by the Director's decision may file an appeal to the Planning Commission within 15 days of the effective decision date. On January 21, 2022, the applicant responded to the Decision Letter and agreed to all conditions, except the following conditions related to on-site and off-site improvement. The conditions of approval the applicant is requesting to appeal are Engineering Street Improvement conditions, which requires the installation of sidewalk along the project frontage, replacement of any old driveways to conform with commercial standard and ADA, curb and gutter transition, and any other appurtenances as required to the satisfaction of the City Engineer. The applicant has requested an appeal of the Conditions of approval to remove the Engineering Street Improvement conditions before the Planning Commission. The applicant expressed hardship associated with the construction costs related to the requested improvements in the conditions of approval.

The Engineering Street Improvement requirements within the Decision Letter are smaller in scope than is typically required by the City for a development project. The proposed solar farm project is a benefit to the applicant offsetting energy usage, it is also harnessing clean energy benefitting the community as whole, therefore, requirements such as lighting, curb/gutter and landscaping was not included as part of the conditions of approval as it would have in any other project.

Below are the conditions of approval as presented on the Decision Letter that are the subject of the applicant's appeal:

#### **Engineering Department:**

8. Site access improvements shall be in conformance with the requirements of Title 24 of the California Administrative Code. This shall include access ramps for off-site and on-site streets as required.

#### **Street Improvements:**

19. Street improvement plans prepared by a California Registered Civil Engineer shall be submitted for review and approval by the City Engineer. All street improvements including street lights shall be designed and constructed in conformance with City Municipal Code, General Plan, and Standards and Specifications. Street flow line grade shall have a minimum slope of 0.35 %.

20. Applicant shall construct all off-site and on-site improvements including street pavement, eurb, gutter, sidewalk, street trees, perimeter walls, perimeter landscaping and irrigation, storm drain, street lights, and any other incidental works necessary to complete the improvements. Driveways shall conform to City of Coachella standards for commercial driveways with a minimum width of 24.00 feet and curbed radius entrances.

21. Applicant shall construct and dedicate the following Street and street improvements to conform to the General Plan and/or requirements of Traffic Study.

- A. Industrial Way- Public Roadway as shown on the RAC and per these comments shall include the following:
  - i. Dedication of land along northbound lane within project limits is required. This street is classified as Industrial Collector with 80 feet of right-of-way as per City of Coachella General Plan.
  - ii. Street measured at Center line to easterly curb shall have a width of 24-foot
  - iii. Applicant shall install all sidewalk, curb and gutter transitions to uniformly connect to existing adjacent improvements and coordinate installation and/or relocation of fire hydrants, water meters, storm drain, wells, streetlights and all other appurtenances as required to the satisfaction of the City Engineer.
  - iv. Applicant shall construct all appurtenant roadway components within project limits such as, but not limited to: curb and gutter, sidewalk, ADA ramps, Traffic control striping, legends, Traffic control signs and street name signs to the satisfaction of the City Engineer.
  - v. Applicant shall remain and protect in place existing curb and gutter that is on good shape condition and/or remove and replace curb and gutter that is not such as, but not limited to: crack, deteriorated or any kind of concrete fractures to the satisfaction of the City Engineer.
  - vi. Applicant shall remove old driveways and construct new Driveways by new Standards instead to the satisfaction of the City Engineer.
  - vii. Applicant shall underground all existing dry utilities if existing at southbound lane within project limits such as, but not limited to: power poles, telecommunication poles and all other existing dry utilities to the satisfaction of the City Engineer.

12

#### **ALTERNATIVES:**

- 1) Adopt Resolution No. PC 2022-01 upholding Director's decision for AR 21-10 (Admin) with the findings and conditions as recommended by Staff.
- 2) Deny the Appeal for AR 21-10 (Admin)
- 3) Continue this item and provide staff and the applicant with direction.

#### **CONCLUSION AND RECOMMENDED ALTERNATIVE:**

Staff concludes that the conditions of approval within the Decision Letter is reasonable for this type of project. Staff recommends alternative #1.

Attachments: 1. PC Resolution No. 2022-01

- 2. AR 21-10 (Admin) Decision Letter
- 3. Vicinity Map

#### **RESOLUTION NO. PC2022-02**

#### A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF COACHELLA, CALIFORNIA AFFIRMING THE DIRECTOR'S DECISION FOR ARCHITECTURE REVIEW 21-10 AND DENYING THE APPLICANT'S REQUEST TO REMOVE STREET IMPROVEMENT CONDITIONS OF APPROVAL FOR THE PROPOSED WOODSPUR FARMS PV (SOLAR FARM) PROJECT, WILLIAM HSIEN, APPLICANT.

WHEREAS, William Hsien, filed an application for Architecture Review 21-10 Administrative Review (AR 21-10 Admin) to allow the installation of a 4.7-acre solar farm (4,996 panels) within an existing agricultural packaging and processing facility, Woodspur Farms zoned M-H (Heavy Industrial) zoning district, located at 52200 Industrial Way; Assessor's Parcel No. 763-400-021 ("Project Site"); and,

**WHEREAS**, the Planning Division has determined the proposed project is exempt from the requirements of the California Environmental Quality Act (CEQA) pursuant to section 15268 (Ministerial Projects). The City has determined that supplementary accessory structures that are incidental to a primary use, such as the ground mounted solar farm to offset the facilities power usage is a "ministerial" project requiring no discretionary reviews and approvals. Therefore, this project is exempt from environmental review pursuant to the CEQA Guidelines; and,

**WHEREAS**, the Planning Commission is acting as a quasi-judicial capacity reviewing a matter that concerns the property rights of a particular individual and thus this item in a non-hearing item; and,

**WHEREAS**, the applicant filed an appeal to the Planning Commission of the Director's decision to uphold AR 21-10 (Admin) and the associated conditions of approval; and,

**WHEREAS**, at the Planning Commission meeting, February 16, 2022, the Applicant and applicant's representative were present and were afforded an opportunity to present the project with appeal to remove the street improvement conditions of approval AR 21-10 (Admin) of the Project.

**NOW, THEREFORE, BE IT RESOLVED**, that the Planning Commission of the City of Coachella, California does hereby affirms the Director's decision to uphold the Architecture Review 21-10 (Admin), subject to the findings listed below.

<u>Section 1.</u> The above recitals are hereby incorporated by reference.

<u>Section 2.</u> The conditions of approval under the street improvement section contained in the Decision Letter are less than the standard requirement required for a typical project. Since the proposed solar farm project will provide additional energy source, potentially offset energy usage while harnessing clean energy benefitting the community as a whole, less that standard requirement has been imposed on the applicant. A typical street improvement condition would have included lighting, curb/gutter and landscape to the conditions of approval. **PASSED APPROVED and ADOPTED** this 16th day of February 2022 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

Gabriel Perez Planning Commission Secretary

#### **APPROVED AS TO FORM:**

Carlos Campos City Attorney STATE OF CALIFORNIA ) COUNTY OF RIVERSIDE ) ss CITY OF COACHELLA )

**I HEREBY CERTIFY** that the foregoing Resolution No. PC-2022-02 was duly adopted at a regular meeting of the Planning Commission of the City of Coachella, California, held on the 16<sup>th</sup> day of February 2022, by the following roll call vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Gabriel Perez Planning Secretary



#### Attachment 2

CITY OF COACH

53-990 Enterprise Way, Coachella, California 92236

PHONE (760) 398-3502 • WWW.COACHELLA.ORG

January 10, 2022

William Hsien Revel Energy LLC 2323 Main Street Irvine, Ca 92614

#### Re: Architectural Review 21-10 (Administrative) Proposed Solar Farm on the northeast portion of an existing development (Woodspur Farms facility) 52200 Industrial Way, Coachella CA 92236

Dear Mr. Hsien:

Development Services has completed an administrative review of the proposed ground mounted solar farm to occupy approximately 4.7 acres of the 25.40-acre subject site. The subject site is in the M-H (Heavy Industrial) zoning district and the location of the Woodspur Farms facility.

After reviewing your request along with the submitted plans, considering the agency comments, and considering the input provided by you on the final findings and conditions, your request for Architectural Review No. 21-10 (Administrative) has been granted by the Director. The attached Findings and Conditions have been made a part of this approval.

Pursuant to Section 17.70.080 of the Coachella Municipal Code any person aggrieved by the Director's decision may file an appeal to the Planning Commission within 15 days of the effective decision date.

Please call our office at (760) 398-3102 if you have any questions regarding this matter.

Sincerely,

Honez

Nikki Gomez Associate Planner

Xc: File

#### ATTACHMENT A FINDINGS FOR ARCHITECTURAL REVIEW 21-10 (Administrative)

- The proposed ground mounted solar farm use is consistent with the goals, objectives, policies, and implementation measures of the Coachella General Plan. The project complies with the Industrial land use designation of the General Plan, which allows for industrial uses. The ground mounted solar farm is supplementary structure to the existing facility to offset their power usage. The subject site is generally surrounded with developed properties having an agricultural packing plant and distribution facilities, which are permitted uses in the M-H (Heavy Industrial) zone and is consistent with the General Plan policies.
- 2. The proposed use of ground mounted solar farm will be installed and maintained to be compatible with the existing or intended character of the general vicinity and shall not change the essential character of the same area. The proposed ground mounted solar farm occupying 4.6 acres at 4'-7" in height is entirely confined within the subject site with a setback of 38 feet from the Industrial Way street frontage. The site plan identifies new additional fencing (as conditioned) to completely shield the ground mounted solar structures ensuring that there is little to no visual deviation from the existing conditions and the adjoining sites in the vicinity.
- 3. The proposed solar farm will be compatible in keeping with the design and character of neighboring properties with respect to land development patterns and application or architectural treatments. The ground mounted solar farm will be installed abutting the northeast corner of the subject site behind and existing building thus, decreasing the visibility from the street. The plans submitted indicate an additional fencing behind the existing perimeter fence. The new fencing in combination with landscaping (as conditioned), will result in the proposed ground mounted solar farm to be minimally visible along Industrial Way.
- 4. Where the proposed use may be potentially hazardous or disturbing to existing or reasonable expected neighboring uses, it must be justified by the common public interest as a benefit to the community as a whole. The Development Services Department does not anticipate any potentially hazardous or disturbing impacts on existing or neighboring uses. Woodspur farms facility processes, packages and distributes organic dates, the ground mounted solar farm will utilize an existing vacant portion of the subject site offsetting power usage while harnessing clean, renewable energy that may reduce the facilities carbon emission benefiting the community as a whole.
- 5. The proposed project is exempt from the requirements of the California Environmental Quality Act (CEQA) pursuant to section 15268 (Ministerial Projects). The City has determined that supplementary accessory structures that are incidental to a primary use, such as the ground mounted solar farm to offset the facilities power usage is a "ministerial" project requiring no discretionary reviews and approvals. Therefore, this project is exempt from environmental review pursuant to the CEQA Guidelines.

#### ATTACHMENT B CONDITIONS OF APPROVAL FOR ARCHITECTURAL REVIEW 21-10 (Administrative)

- 1. This administrative architectural review is granted to allow a 4.7-acre ground mounted solar farm within the subject site with an existing agricultural packaging and processing facility (Woodspur Farms) located in the M-H (Heavy Industrial) zone, at near the northwest corner of Enterprise Way and Industrial Way. The applicant shall submit construction drawings for civil improvements, solar farm structures, fencing and landscaping through the City's Building Division and Engineering Department for plan check and approval.
- 2. The applicant shall pay all permit fess necessary to secure permits, subject to review and approval by the Building Official, The owner shall secure approval from the Riverside County Fire Marshal's Office for the proposed site plan, fencing, and landscaping and related site improvements.
- 3. Prior to the issuance of a building permit, the applicant shall submit a fencing plan showing a "living fence" consisting of chain link least six feet in height and a row of shade trees planted at every 15 feet on center, along the front portion of the property in order to screen the ground mounted solar farm structures use from view to the street. The "living fence" shall be installed on the sides fronting Industrial Way to decrease the visibility from the street. The remaining fence to north and east of the ground mounted solar farm may be chain link or wrought iron.
- 4. The applicant shall pay all applicable school facilities fees to the Coachella Unified School District prior to obtaining building permits.

#### **ENGINEERING DEPARTMENT:**

#### **General**:

- 5. Prepare and record necessary drainage easements to implement the project in accordance with drainage law. Note: a Water Quality Management Plan (WQMP) may be required depending on the existing and future drainage paths and storm water retention capacity.
- 6. The developer shall submit a Fugitive Dust Control and Erosion Control plan in accordance with Guidelines set forth by CMC and SCAQMD to maintain wind and drainage erosion and dust control for all areas disturbed by grading. Exact method(s) of such control shall be subject to review and approval by the City Engineer. No sediment is to leave the site. Additional securities, in bond form, in amount of \$2,000.00 per acre of gross area, and a one-time cash deposit of \$2,000.00 are required to insure compliance with this requirement. No work may be started on or off site unless the PM-10 plan has been approved, the original plans, and executed dust control agreement, are filed in the engineering department at the City of Coachella.

- 7. Applicant shall submit for review and approval by the City Engineer all documents related to any existing and proposed on-site and off-site easements that may affect the development of the site. All easements shall be identified on the engineering plans.
- 8. Site access improvements shall be in conformance with the requirements of Title 24 of the California Administrative Code. This shall include access ramps for off-site and on-site streets as required.
- 9. Applicant shall obtain approval of site access and circulation from Fire Marshall.
- 10. The applicant shall provide necessary utility easements for IID and underground overhead distribution lines within the project boundaries. Applicant shall submit to the City a letter from IID that satisfies this requirement.
- 11. The applicant shall pay all necessary plan check, permit and inspection fees. Fees will be determined when plans are submitted to the City Engineering Department for plan check.

#### **Rough Grading:**

- 12. Prepare and submit rough grading and erosion control plans for the project.
- 13. The project's soils engineer shall certify to the adequacy of the grading plan.
- 14. All projects developing one (1) acre or more of total land area, or which are part of a larger phased development that will disturb one acre of land, are required to obtain coverage under the State Water Resources Control Board's (SWRCB) General Permit for storm water discharges associated with construction activity. Proof of filing a Notice of Intent (NOI) with the SWRCB for coverage under this permit is required. The Waste Discharger's Identification Number (WDID), issued by the SWRCB, must be shown on the grading plans. The project's Storm Water Pollution Prevention Plan shall be submitted for the City's review and approval. Note: because the disturbed area is greater than one acre but less than 5 acres, the project should qualify for Rainfall Erosivity Waiver Based on the State Water Control Board Guidelines.

#### **Precise Grading:**

- 15. A precise grading/improvement plan, prepared by a California Registered Civil Engineer, showing building footprints, pad elevations, finished grades, drainage routes, retaining walls, erosion control, slope easements, and all other pertinent information shall be submitted for review and approval by the City Engineer.
- 16. Rough grading shall be certified by the project soils engineer prior to issuance of a permit for precise grading or building construction.
- 17. Provide and record a reciprocal use and maintenance agreement to assure common ingress and egress and joint maintenance of all common access, parking areas and drives.

18. If applicant is planning to build a wall, separate permits shall be required for wall construction. The maximum height of any wall shall be limited to six (6) feet as measured from an average of the ground elevations on either side.

#### **Street Improvements:**

- 19. Street improvement plans prepared by a California Registered Civil Engineer shall be submitted for review and approval by the City Engineer. All street improvements including street lights shall be designed and constructed in conformance with City Municipal Code, General Plan, and Standards and Specifications. Street flow line grade shall have a minimum slope of 0.35 %.
- 20. Applicant shall construct all off-site and on-site improvements including street pavement, curb, gutter, sidewalk, street trees, perimeter walls, perimeter landscaping and irrigation, storm drain, street lights, and any other incidental works necessary to complete the improvements. Driveways shall conform to City of Coachella standards for commercial driveways with a minimum width of 24.00 feet and curbed radius entrances.
- 21. Applicant shall construct and dedicate the following streets and street improvements to conform to the General Plan and/or requirements of Traffic Study.
  - A. Industrial Way- Public Roadway as shown on the RAC and per these comments shall include the following:
    - i. Dedication of land along northbound lane within project limits is required. This street is classified as Industrial Collector with 80 feet of right-of-way as per City of Coachella General Plan.
    - ii. Street measured at Center line to easterly curb shall have a width of 24-foot
    - iii. Applicant shall install all sidewalk, curb and gutter transitions to uniformly connect to existing adjacent improvements and coordinate installation and/or relocation of fire hydrants, water meters, storm drain, wells, streetlights and all other appurtenances as required to the satisfaction of the City Engineer.
    - iv. Applicant shall construct all appurtenant roadway components within project limits such as, but not limited to: curb and gutter, sidewalk, ADA ramps, Traffic control striping, legends, Traffic control signs and street name signs to the satisfaction of the City Engineer.
    - v. Applicant shall remain and protect in place existing curb and gutter that is on good shape condition and/or remove and replace curb and gutter that is not such as, but not limited to: crack, deteriorated or any kind of concrete fractures to the satisfaction of the City Engineer.
    - vi. Applicant shall remove old driveways and construct new Driveways by new Standards instead to the satisfaction of the City Engineer.

vii. Applicant shall underground all existing dry utilities if existing at southbound lane within project limits such as, but not limited to: power poles, telecommunication poles and all other existing dry utilities to the satisfaction of the City Engineer.

#### Sewer and Water Improvements:

- 22. A Sewer & Water Improvement Plans prepared by a California Registered Civil Engineer shall be submitted for engineering plan check and City Engineer approval.
- 23. Applicant shall construct all off-site and on-site water improvements and any other incidental works necessary to complete the improvements. Size and location of sewer and water improvements shall be approved by the City Engineer.

#### **Prior to Issuance of Building Permits:**

- 24. A final soils report, compaction report and rough grading certificate shall be submitted and approved prior to issuance of any building permits.
- 25. Provide a set of proposed Covenants, Conditions and Restrictions (CC&R) for review and approval. The proposed CC&Rs shall contain the Association's/Owner's maintenance obligations with respect to various facilities including, but not limited to, right of way and private landscaping, private streets, sidewalks, utilities, street lights, and Water Quality Management Plan (WQMP) features. This document must be submitted to and approved by the City before it is submitted to any other governmental entity.

#### **BUILDING AND SAFETY DIVISION:**

- 26. The Applicant shall provide 10 feet clear area around the entire array required under CRC 1204.4
- 27. Fire Authority may require vehicular access.
- 28. The Applicant shall provide plans with dimensioning clearances in the electrical room.



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### **Planning Case Conditions**

Date: 10/18/21 City Case Number: AR 21-10 Project Name: Woodspur Farms PV Project Reviewed By: Chris Cox, Assistant Fire Marshal Fire Department Permit Number: FPARC2100107 East Office of the Fire Marshal Responsibility

The Office of the Fire Marshal reviewed the application and plan for this case. We are requesting the applicant to address the following comments and resubmit the plan:

- 1. The scope of work on the plan states roof mounted photovoltaic modules but the City of Coachella's project summary describes a proposed ground mounted solar farm. Correct the plan and clarify the project description.
- 2. Show the fire apparatus access road on the site plan. The fire access road shall extend to within 300 feet of all portions of the facility as measured from the access road to all portions of the facility on an approved walkway through and between the length of solar arrays. The access road shall be a minimum width of 20 feet, have a minimum outside turning radius of 38 feet, and be capable of supporting the load of fire apparatus (50,000 lbs.) under all weather conditions. Access gate openings for vehicles shall be a minimum of 14 feet wide and 4 feet wide for pedestrian access.
- Dead-end fire apparatus access roads in excess of 150 feet in length shall be provided with an approved area for turning around fire apparatus. Turning areas shall be designed in accordance with Riverside County Fire Department standards.

If you have any questions, or if some items are unclear, please phone our office at 760-863-8886 and speak with Assistant Fire Marshal Chris Cox.

Item 2.

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October 20, 2021

Mr. Gabriel Perez Assistant Community Development Director Development Services Department City of Coachella 1515 6th Street Coachella, CA 92236

SUBJECT: Woodspur Farms PV Project in Coachella, CA; AR No. 21-10 (Admin)

Dear Mr. Perez:

On October 6, 2021 the Imperial Irrigation District received from the City of Coachella Development Services Department, a request for agency comments on the Woodspur Farms PV project in Coachella, CA; Architectural Review no. 21-10 (Administrative). The applicant proposes to develop a ground-mounted solar photo-voltaic energy generation project at 52200 Industrial Way, Coachella CA (APN 763-400-021), on the northeast corner of the lot where Woodspur Farms facility is currently located and plans to interconnect the PV generation to the 3 existing IID electrical meters at the date farm facility.

The IID has reviewed the project information and has the following comments:

- 1. IID will not begin any studies, engineering or estimate costs to interconnect the project to the district's electrical system until the applicant submits an application for interconnection of distributed generation facilities (available for download at <u>https://www.iid.com/home/showpublisheddocument/2563/635648001335730000</u>) and a customer project application (available for download at the district website <u>http://www.iid.com/home/showdocument?id=12923</u>), along with detailed loading information, panel sizes, project schedule and estimated in-service date. Applicant shall bear all costs associated with interconnecting the project con IID's electrical grid, including but not limited to the construction of additional electrical facilities, distribution line extensions, underground conduit systems and the re-configuration of distribution lines and other upgrades as well as applicable permits, zoning changes, landscaping (if required by the City) and rights-of-way and easements.
- 2. Once the applications and loading information are received, IID will perform an assessment to determine the project's potential impacts to the district's electrical system and the mitigation measures required.

- 3. Underground infrastructure that includes trenching, conduits, pull boxes, switch boxes, transformers, commercial meter panels, residential meter concentrations and pads should be installed following IID approved plans. Physical field installation of underground infrastructure should be verified and approved by an IID inspector prior to cable installation as per IID Developer's Guide (available at the district website <a href="https://www.iid.com/home/showdocument?id=14229">https://www.iid.com/home/showdocument?id=14229</a>).
- 4. The IID Regulation (No. 21) governing the interconnection of distributed generation facilities such as the proposed PV project can be found at: <u>https://www.iid.com/home/showpublisheddocument/2561/635648001335730000</u>
- 5. IID Regulations governing line extensions can be found at:
  - No. 2 (<u>http://www.iid.com/home/showdocument?id=2540</u>),
  - No. 13 (<u>http://www.iid.com/home/showdocument?id=2553</u>),
  - No. 15 (<u>http://www.iid.com/home/showdocument?id=2555</u>),
  - No. 20 (<u>http://www.iid.com/home/showdocument?id=2560</u>) and
  - No. 23 (https://www.iid.com/home/showdocument?id=17897).
- For additional information regarding the interconnection of distributed generation to the IID electrical system, the applicant should be advised to contact Raquel L. Peña, IID Energy Distribution Interconnect Administrator, at (760) 604-0779 or email Ms. Peña at <u>rlpena@iid.com</u>.
- 7. It is important to note that IID's policy is to extend its electrical facilities only to those developments that have obtained the approval of a city or county planning commission and such other governmental authority or decision-making body having jurisdiction over said developments.
- 8. The applicant will be required to provide rights-of-way and easements for any power line extensions and overhead or underground infrastructure needed to serve the project.
- 9. Any construction or operation on IID property or within its existing and proposed right of way or easements including but not limited to: surface improvements such as proposed new streets, driveways, parking lots, landscape; and all water, sewer, storm water, or any other above ground or underground utilities; will require an encroachment permit, or encroachment agreement (depending on the circumstances). A copy of the IID encroachment permit application and instructions for its completion are available at <a href="https://www.iid.com/about-iid/department\_directory/real-estate">https://www.iid.com/about-iid/department\_directory/real-estate</a>. The IID Real Estate Section should be contacted at (760) 339-9239 for additional information regarding encroachment permits or agreements.

- 10. Relocation of existing IID facilities to accommodate the project and/or to accommodate street widening improvements imposed by the City will be deemed project-driven and all costs, as well as securing of rights of way and easements for relocated facilities, shall be borne by the applicant.
- 11. Any new, relocated, modified or reconstructed IID facilities required for and by the project (which can include but is not limited to electrical utility substations, electrical transmission and distribution lines, etc.) need to be included as part of the project's CEQA and/or NEPA documentation, environmental impact analysis and mitigation. Failure to do so will result in postponement of any construction and/or modification of IID facilities until such time as the environmental documentation is amended and environmental impacts are fully mitigated. Any mitigation necessary as a result of the construction, relocation and/or upgrade of IID facilities is the responsibility of the project proponent.
- 12. Dividing a project into two or more pieces and evaluating each piece in a separate environmental document (Piecemealing or Segmenting), rather than evaluating the whole of the project in one environmental document, is explicitly forbidden by CEQA, because dividing a project into a number of pieces would allow a Lead Agency to minimize the apparent environmental impacts of a project by evaluating individual pieces separately, each of which may have a less-than-significant impact on the environment, but which together may result in a significant impact. Segmenting a project may also hinder developing comprehensive mitigation strategies. In general, if an activity or facility is necessary for the operation of a project, or necessary to achieve the project objectives, or a reasonably foreseeable consequence of approving the project, then it should be considered an integral project component that should be analyzed within the environmental analysis. The project description should include all project components, including those that will have to be approved by responsible agencies. The State CEQA Guidelines define a project under CEQA as "the whole of the action" that may result either directly or indirectly in physical changes to the environment. This broad definition is intended to provide the maximum protection of the environment. CEQA case law has established general principles on project segmentation for different project types. For a project requiring construction of offsite infrastructure, the offsite infrastructure must be included in the project description. San Joaquin Raptor/Wildlife Rescue Center v. County of Stanislaus (1994) 27 Cal.App. 4th 713.
- 13. Applicant should be advised that landscaping can be dangerous if items are planted too close to IID's electrical equipment. In the event of an outage, or equipment failure, it is vital that IID personnel have immediate and safe access to its equipment to make the needed repairs. For public safety, and that of the electrical workers, it is important to adhere to standards that limit landscaping around electrical facilities. IID landscaping guidelines are available at <a href="https://www.iid.com/energy/vegetation-management">https://www.iid.com/energy/vegetation-management</a>.

Gabriel Perez October 20, 2021 Page 4

Should you have any questions, please do not hesitate to contact me at (760) 482-3609 or at dvargas@iid.com. Thank you for the opportunity to comment on this matter.

Respectfully,

Donald Vargas Compliance Administrator II

Enrique B. Martinez – General Manager Mike Pacheco – Manager, Water Dept. Marilyn Del Bosque Gilbert – Manager, Energy Dept. Constance Bergmark – Mgr. of Planning & Eng./Chief Elect. Engineer, Energy Dept. Daryl Buckley – Mgr. of Distribution Srvcs. & Maint. Oprtns., Energy Dept. Enrique De Leon – Asst. Mgr., Energy Dept., Distr., Planning, Eng. & Customer Service Jamie Asbury – Assoc. General Counsel Vance Taylor – Asst. General Counsel Michael P. Kemp – Superintendent, Regulatory & Environmental Compliance Laura Cervantes – Supervisor, Real Estate

## **WOODSPUR FARMS PV 5220 INDUSTRIAL WAY** COACHELLA, CA 92236

## **PHOTOVOLTAIC GENERAL NOTES**

1	ALL MATERIALS, EQUIPMENT, INSTALLATION AND WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES:	30	THE ROOF MOUNTED THE SAME OR BETT
	<ul> <li>2019 CBC</li> <li>2019 CEC</li> <li>2019 CMC</li> </ul>		REMOVAL OF A UTIL CONNECTION BETWE CIRCUIT GROUNDED
	<ul> <li>2019 CPC</li> <li>2019 CFC</li> </ul>	32	EQUIPMENT GROUND PHYSICAL DAMAGE
2	• 2019 BUILDING ENERGY EFFICIENCY STANDARDS ALL EQUIPMENT SHALL BE LISTED AND LABELED BY A RECOGNIZED TESTING LABORATORY AND INSTALLED PER THE	33	AVERAGE SOLAR CC
3	LISTING REQUIREMENTS AND THE MANUFACTURER'S INSTRUCTIONS, CEC 110.3(B)&(C), 690.4(B) AND 690.12(D). EXISTING PLUMBING VENTS, SKYLIGHTS, EXHAUST OUTLETS, VENTILATIONS INTAKE AIR OPENING SHALL NOT BE		THIS PROJECT SHAL [NEC ARTICLES 690 SHALL OBTAIN ELEC
4	COVERED BY THE SOLAR PHOTOVOLTAIC SYSTEM ALL OUTDOOR EQUIPMENT SHALL BE NEMA 3R RATED, INCLUDING ALL ROOF MOUNTED TRANSITION BOXES AND SWITCHES	35	WORKING CLEARANC AS WELL AS THE N
5	ALL EQUIPMENT SHALL BE PROPERLY GROUNDED AND BONDED IN ACCORDANCE WITH NEC ARTICLE 250	36	THE PHOTOVOLTAIC
6	PV SYSTEM DC CIRCUIT AND INVERTER OUTPUT CONDUCTORS AND EQUIPMENT SHALL BE PROTECTED AGAINST OVERCURRENT [CEC 690.9(A)].	37	ADEQUATE SPACING THROUGH THE ROOF
7	RAPID SHUTDOWN EQUIPMENT TO PROVIDE CONTROLLED CONDUCTORS THAT ARE MORE THAN 3 FEET IN LENGTH INSIDE A BUILDING OR MORE THAN 1 FOOT FROM A PV ARRAY IN ALL DIRECTIONS LIMITATION TO NOT MORE THAN 30 VOLTS AND 240 VOLT-AMPERES WITHIN 30 SECONDS OF RAPID SHUTDOWN INITIATION, CEC 690.12.		ALL PHOTOVOLTAIC LOCATIONS AND IN
8	THE UTILITY-INTERACTIVE INVERTERS SHALL AUTOMATICALLY DE-ENERGIZE ITS OUTPUT TO THE CONNECTED ELECTRICAL PRODUCTION AND DISTRIBUTION NETWORK UPON LOSS OF VOLTAGE IN THE SYSTEM AND SHALL REMAIN IN THAT STATE UNTIL THE ELECTRICAL PRODUCTION AND DISTRIBUTION NETWORK VOLTAGE HAS BEEN RESTORED		ALL METALLIC RACE 250.90, 250.96) GROUNDED DC PHO
	[CEC 705.40]	40	REQUIREMENTS OF ( (CEC 690.5)
9	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. CEC 690.13.		· · ·
10	ALL CONDUCTORS EXPOSED TO WEATHER SHALL BE LISTED AND IDENTIFIED FOR USE IN DIRECT SUNLIGHT [NEC 690.31(C) THROUGH (G), 310.10(D)]		
11	THE MODULES CONDUCTORS MUST BE TYPE USE-2 OR LISTED FOR PHOTOVOLTAIC (PV) WIRE [NEC 690.31(C)]		
12	ALL CONDUCTORS SHALL BE MARKED ON EACH END FOR UNIQUE IDENTIFICATION [NEC 690.31(B)]		
13	ALL CONDUCTORS TO BE OF MATERIAL APPROVED BY THE CODE AND THEIR INSULATIONS TO BE RATED TO NOT LESS THAN 90°C 600VOLTS MINIMUM.		
14	INSULATION OF EXPOSED CONDUCTORS UNDER THE MODULES SHALL BE USE-2 OR PV-WIRE TYPE FOR GROUNDED DC SYSTEMS, CEC 690.31(C); AND PV-WIRE TYPE FOR UNGROUNDED DC SYSTEMS, (AS IN TRANSFORMERLESS INVERTERS OR MICROINVERTERS WITH ISOLATED GROUNDS)		
15	FINE-STRANDED CABLE CONNECTIONS MUST BE MADE IN LUGS AND TERMINALS LISTED AND MARKED FOR THE USE, CEC 110.14.		
16	ALL GROUNDED, (NEUTRAL), CONDUCTOR'S INSULATION SHALL BE SOLID WHITE, GRAY, OR WITH 3-WHITE STRIPES, CEC 200.6, 200.7, & 400.22; AND ALL GROUNDING CONDUCTORS SHALL BE OF BARE WIRE WITHOUT COVERING, OR WITH INSULATION OF GREEN OR GREEN WITH YELLOW STRIPES, [CEC 250.119 & 400.23]. THE COLOR OF UNGROUNDED CONDUCTORS SHALL BE OTHER THAN FOR GROUNDED, (NEUTRAL), AND GROUNDING CONDUCTORS, [CEC 310.110(C)].		A.B.V. A
17	MAXIMUM CONDUCTOR LENGTH BETWEEN SUPPLY SIDE CONNECTION AND OVERCURRENT PROTECTION IS 10 FEET, CEC 705.31.	A	A-C A AC A
18	PV SYSTEM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT		AC A
	ANY DISTRIBUTION EQUIPMENT ON THE PREMISES SHALL MEET THE FOLLOWING [CEC 750.12(B)]: 1. EACH SOURCE CONNECTION SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [CEC 705.12(B)(1)]	B	B.L. B BLDG B CSMNT C
	<ol> <li>THE SUM OF THE AMPERE RATINGS OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100% OF THE RATING OF BUSBAR OR CONDUCTOR [CEC 705.12(B)(2)]</li> </ol>	C	CEM C C.L. C
	3. EQUIPMENT CONTAINING OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO A BUS BAR OR CONDUCTOR SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES [CEC 705.12(B)(3)]		COL C CONT C
	4. CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(4)]	D	CONC C DIA D
19	FOR LOAD SIDE INTERCONNECTION THE PANELBOARD MAIN CIRCUIT BREAKER AND THE PV POWER SOURCE CIRCUIT BREAKER SHALL BE PHYSICALLY LOCATED AT THE OPPOSITE END OF THE BUSBAR[NEC 705.12(B)(3)(b)]		DIM D EA E
20	DC WIRING INSIDE A BUILDING MUST BE IN METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, OR CABLE SHEATHINGS,	E	ELEV E
21	CEC 690.31(G) RACEWAYS IN ENCLOSED PORTIONS OF THE BUILDING MUST RUN ALONG BOTTOM OF LOADBEARING MEMBERS, CRC R324.7.2.7.		EQUIP E E. OR (E) E FXT E
22	METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, AND CABLE SHEATHS CONTAINING CIRCUITS OVER 250-VOLTS TO GROUND MUST BE BONDED IN ACCORDANCE WITH CEC 250.97 & 290.92(B).	G	GA G
23	FLEXIBLE, FINE-STRANDED CABLES SHALL BE TERMINATED ONLY WITH TERMINALS, LUGS, DEVICES OR CONNECTOR THAT ARE IDENTIFIED AND LISTED FOR SUCH USE, CEC 690.31(H) & 110.14.		GALV G GAR G G.F.C.I. G
24	CONNECTORS SHALL BE OF LATCHING OR LOCKING TYPE. CONNECTORS THAT ARE READILY ACCESSIBLE AND OPERATING AT OVER 30VDC AND 15VAC SHALL REQUIRE TOOL TO OPEN AND MARKED "DO NOT DISCONNECT UNDER LOAD" OR "NOT FOR CURRENT INTERRUPTING" [NEC 690.33(C) & (E)(2)]		G.F.I. G GYP G
25	CABLES/WIRES THAT ARE SUBJECT TO PHYSICAL DAMAGE, SUCH AS THOSE NOT LOCATED UNDER THE MODULES, MUST BE PROTECTED, CEC 300.4.	J	J–BOX JI JST JI
26	PROPOSED LOCATIONS OF THE ELECTRICAL SERVICE REPLACEMENTS MUST ALSO BE APPROVED BY THE ELECTRICAL	K M	K.O. K MECH M
27	UTILITY COMPANY. FOR ELECTRICAL SERVICE REPLACEMENTS, BONDING TO THE METAL PIPES OF NATURAL GAS, HOT WATER, AND COLD WATER MUST BE PROVIDED, CEC 250.104.		MTL M
28	GROUNDING ROD ELECTRODES SHALL BE INSTALLED 8 FEET MINIMUM IN CONTACT WITH SOIL, CEC 250.53(G)		
29	ALL EXTERIOR CONDUITS SHALL BE PAINTED TO MATCH THE COLOR OF THE SURROUNDING AREA (ROOF, SIDING, AND STUCCO)		

PHOTOVOLTAIC MODULES, PANELS OR SOLAR VOLT TER LISTED FIRE–RESISTANCE RATING THAN THE BU

LITY-INTERACTIVE INVERTER OR OTHER EQUIPMENT EN THE GROUNDING ELECTRODE CONDUCTOR AND CONDUCTOR

- DING CONDUCTOR FOR PV MODULES SMALLER THAN E BY A RACEWAY OR CABLE ARMOR [CEC 690.46 &
- CONSUMPTION IS NOT TO EXCEED 120% OF AVERAGE
- ALL COMPLY WITH ALL THE LATEST APPLICABLE NAT ) AND 705], NEC REQUIREMENTS, STATE OF CALIFOF CTRICAL PERMIT(S) FOR THE EQUIPMENT INSTALLATI
- ICES AROUND THE EXISTING ELECTRICAL EQUIPMENT NEW ELECTRICAL EQUIPMENT WILL BE MAINTAINED IN
- INVERTER WILL BE LISTED AS UL 1741 COMPLIANT.
- G MUST BE MAINTAINED BETWEEN ANY PLUMBING SE
- AND THE UNDERSIDE OF THE PHOTOVOLTAIC PANE
- OUTPUT CIRCUITS OPERATING ABOVE 30 VOLTS SH N ELECTRICAL RACEWAYS. [CEC 690.31 (A)]
- EWAYS AND EQUIPMENT SHALL BE BONDED AND ELE
- DTOVOLTAIC ARRAYS SHALL BE PROVIDED WITH DC 690.5(A) THROUGH (C). UNGROUNDED DC PHOTOVO

## **/IATIONS**

А	A.B.V.	ABOVE	Ν	N.I.U.
	A-C	AIR CONDITIONER		N.T.S.
	AC	ALTERNATING CURRENT		N.F.C.
	A.F.G.	ABOVE FINISHED GRADE		Ν.
В	B.L.	BUILDING LINE		NO
	BLDG	BUILDING		N.O.
С	CSMNT	CASEMENT		N.C.
	CEM	CEMENT	0	0.C.
	C.L.	CENTER LINE		0.H.
	COL	COLUMN	Ρ	P.L.
	CONT	CONTINUOUS		P.S.F.
	CONC	CONCRETE		P.S.I.
D	DIA	DIAMETER		PVC
	DIM	DIMENSION		PWR
_	EA	EACH	Q	QTY
E	ELEV	ELEVATION	R	RAC
	EQUIP	EQUIPMENT		RAD
	E. OR (E)	EXISTING		R.D.
	EXT	EXTERIOR		R.V.
G	GA	GAUGE		RSL
0	GALV	GALVANIZED		RSH
	GAR	GARAGE		RAH
	G.F.C.I.	GROUND FAULT CIRCUIT INTERRUPT		REF
	G.F.I.	GROUND FAULT INTERRUPT	S	SPECS
	GYP	GYPSUM		SHT
	J-BOX	JUNCTION BOX		SQ.FT
J	JST	JOIST		SQ.IN.
Κ	K.O.	KNOCK OUT		STD
M	MECH	MECHANICAL		SYS
1 1 1	MTL	METAL	Т	TYP
			V	V.I.F.
			•	

	SYSTEN		ATION	
DLAR VOLTAIC ROLL ROOFING MATERIAL SHALL HAVE	SYSTEM 1:			
I THE BUILDING ROOF-COVERING MATERIAL	SYSTEM SIZE DC STC:	: 630.80 KW		
UIPMENT SHALL NOT DISCONNECT THE BONDING OR AND THE PHOTOVOLTAIC SOURCE AND/OR OUTPUT	SYSTEM SIZE AC CEC	: 581.05 KW		
	SOLAR MODULES: (13	28) TRINA TSM-475DE15V(II)		
ER THAN 6 AWG SHALL BE PROTECTED FROM 90.46 & 250.120(C)]	INVERTER(S): (8) CPS	S SCA60TL-DO/US-480		
AVERAGE ANNUAL CONSUMPTION	MOUNTING SYSTEM: O	MCO SOLAR MOUNT		
BLE NATIONAL ELECTRIC CODE (NEC) REQUIREMENTS F CALIFORNIA REQUIREMENTS, BUILDING CODES, AND STALLATION	SYSTEM 2:			
UIPMENT	SYSTEM SIZE DC STC:	: 975.65 KW		
AINED IN ACCORDANCE WITH CEC 110.26.	SYSTEM SIZE AC CEC	: 898.70 KW		
MPLIANT. (CEC 690.4(B))	SOLAR MODULES: (20	54) TRINA TSM-475DE15V(II)		
MBING SEWER VENTS EXTENDING FAIC PANELS (6"MINIMUM RECOMMENDED).	INVERTER(S): (13) CP	PS SCA60TL-DO/US-480		
VOLTS SHALL BE INSTALLED IN READILY ACCESSIBLE	MOUNTING SYSTEM: O	MCO SOLAR MOUNT		
AND ELECTRICALLY CONTINUOUS. (CEC	SYSTEM 3:			
	SYSTEM SIZE DC STC:	: 766.65 KW		
ITH DC GROUND-FAULT PROTECTION MEETING THE PHOTOVOLTAIC ARRAYS SHALL COMPLY WITH 690.35.	SYSTEM SIZE AC CEC	: 706.18 KW		
	SOLAR MODULES: (16	14) TRINA TSM-475DE15V(II)		
		PS SCA60TL-D0/US-480		
	MOUNTING SYSTEM: O	·		
	SCOPE	OF WORK		
	INSTALLING:			
	(4996) ROOF MOUNT	ED PHOTOVOLTAIC MODULES		
		00/US-480 INVERTER(S)		
	OMCO SOLAR MOUNT			
	LEGAL	DESCRIPT	ION	DRAWING
N.I.U. NOT IN USE		MAIN BUILDINGS	GROUNDMOUNT	ELECTRI
N.T.S. NOT TO SCALE				PV 1 COVER I PV 2.0 SITE PL/
N.F.C. NOT FOR CONSTRUCTION N. OR (N) NEW	AIN:	763-400-021	763-400-021	PV 2.0 SITE PL
NO NUMBER	SITUS ADDRESS:	5220 INDUSTRIAL WAY	5220 INDUSTRIAL WAY	PV 2.2 ELEVATION PV 3.0 PLOT PL
N.O. NORMALLY OPEN	OCCUPANCY USE:	F	U	PV 3.1 SYSTEM
N.C. NORMALLY CLOSED ) O.C. ON CENTER	CONSTRUCTION TYPE:	III, SPRINKLERED		PV 3.2 SYSTEM PV 3.3 SYSTEM
0.H. OVERHEAD	STORIES:	1		PV 4.0 SYSTEM
P.L. PROPERTY LINE	BOOK:	763	763	PV 4.1 SYSTEM PV 4.2 SYSTEM
P.S.F. POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH	PAGE:	400	400	PV 5 GROUND
P.S.I. POUNDS PER SQUARE INCH PVC POLYVINYL CHLORIDE	LOT:	021	021	PV 6.0 SIGNAGE
PWR POWER				PV 6.1 DIRECTO PV 7 EQUIPME
QTY QUANTITY				PV 8 UL LISTI
RAC ROOF AIR CONDITIONING UNIT RAD RADIUS				
R.D. ROOF DRAIN				PARCEL
R.V. ROOF VENT				
RSL ROOF SKYLIGHT				
RSH ROOF SMOKE HATCH RAH ROOF ACCESS HATCH	Coache	Ua		THE MAP RULE PREPARES FOR ASSESSMENT IS ASSUMED FOR THE ACCURACY OF THE DOT MAY NOT COMPLY WITH LOAL LOF SPLIT OF F
REF REFERENCE				05 04 
SPECS SPECIFICATIONS	<u>1998</u> - 1		(86)	PAR 1 PAR 2 R(0) R(2)
SHT SHEET SO FT SQUARE FOOT-FEET				
SQ.FT. SQUARE FOOT-FEET SQ.IN. SQUARE INCH-INCHES	Avenue 52	Avenue 52		
STD STANDARD			52200 Industrial Way, Coachella, CA 92236	
SYS SYSTEM				SOUTHER
TYP TYPICAL / V.I.F. VERIFY IN FIELD				CARACTER CONTRACTOR OF CONTRACTO
				LS THE ALL OF THE ALL
		-	(86)	
			Grand	
				ASSESSOR'S MAP BK/RS PG. 40 ja Rivergide County, Calif.

## **PROVAL STAMPS**

## **REVEL-ENERGY, INC.** 2323 MAIN ST. IRVINE, CA 92614 CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171

CONTRACTOR

I HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON THESE PLANS IS IN CONFORMANCE WITH ALL CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA AND FURTHER, IF OMISSIONS OR ERRORS ARE DISCOVERED, I UNDERSTAND THAT THE WORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA PRIOR TO FINAL BUILDING INSPECTION.

DATE

SIGNATURE

STATE LICENSE NO.

1038433 / A, B, C10, C46

ltem 2.



ARCH	D (24" X 36")	PRINT PAPER SIZE		
NO.	DATE	DESCRIPTION	ELECT.	STRUC.
	7/27/2021	INITIAL PLAN SET	A.L.	
	8/18/2021	1ST REVISIONS	A.L.	
	9/1/2021	1ST CORRECTIONS	A.L.	
	9/9/2021	2ND REVISIONS	A.L.	
$\overline{\Lambda}$				

SYSTEM INFO:

TOTAL SYSTEM SIZE: DC STC: 2373.10 KW TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW SOLAR MODULES: (4996) TRINA TSM-475DE15V(II) INVERTER(S): (31) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 1:

SYSTEM SIZE DC STC: 630.80 KW SYSTEM SIZE AC CEC: 581.05 KW SOLAR MODULES: (1328) TRINA TSM-475DE15V(II) INVERTER(S): (8) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 2:

SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 898.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 3:

SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW

SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-D0/US-480

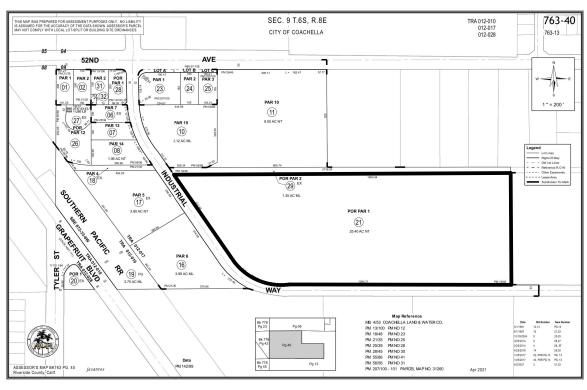
PV

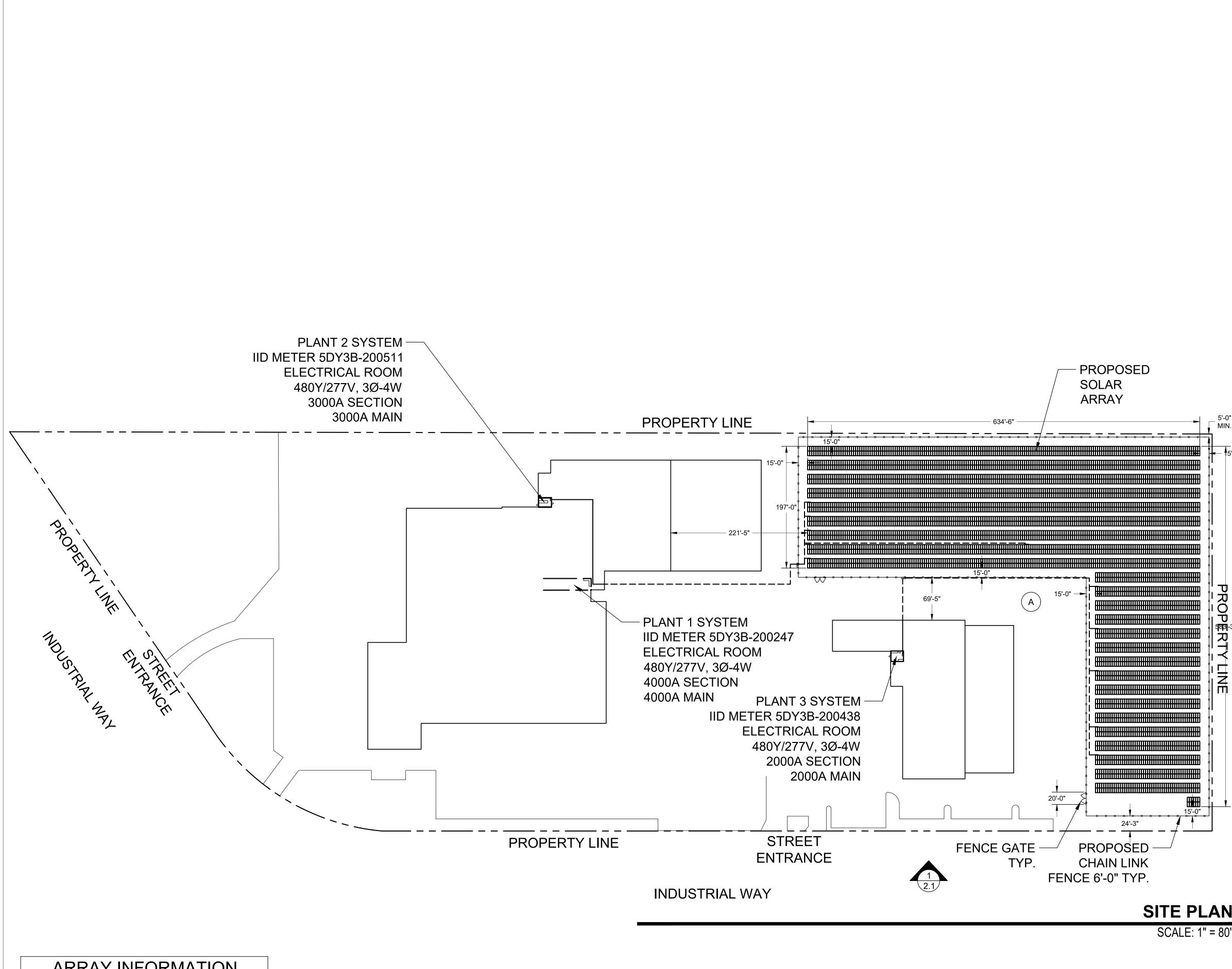
**DESCRIPTION:** 



TRICAL ER PAGE PLAN ATION DETAIL ATION DETAIL F PLAN TEM 1 TEM 2 TEM 3 TEM 1 SLD TEM 2 SLD TEM 3 SLD JNDING AGE CTORY PLACARDS PMENT SPECIFICATIONS ISTING

MAP





	ORMATION
ARRAY	A
ARRAY TILT	20°
STRUCTURE INFO	SEE S-1
MODULE COUNT	4996
MODULE AREA	126477.5SQ.FT.
ARRAY AZIMUTH	180°

## **SITE NOTES**

5'-(

MI

	1 PHOTOVOLTAIC SYSTEMS SHALL BE MARKED TO IDENTIFY THE MAIN ELECTRICAL SERVICE DISCONNECT. MATERIALS USED FOR MARKING SHALL BE WEATHER RESISTANT AND MEET UL 969 AS THE STANDARD FOR WEATHER RATING.
	2 THE MAIN ELECTRICAL SERVICE DISCONNECT MARKING SHALL BE PLACED ADJACENT TO THE MAIN SERVICE DISCONNECT IN A LOCATION CLEARLY VISIBLE FROM THE LOCATION WHERE THE LEVER IS OPERATED, FOR COMMERCIAL AND INDUSTRIAL BUILDINGS.
	3 PHOTOVOLTAIC CIRCUIT MARKING SHALL BE PLACED ON ALL INTERIOR AND EXTERIOR PHOTOVOLTAIC DC CIRCUIT CONDUIT, RACEWAYS, ENCLOSURES, CABLE ASSEMBLIES, AND JUNCTION BOXES. MARKINGS SHALL BE PLACED EVERY 10 FEET, AT TURNS, ABOVE AND/OR BELOW PENETRATIONS, AND AT ALL PHOTOVOLTAIC CIRCUIT COMBINER AND JUNCTION BOXES.
	4 SOLAR PHOTOVOLTAIC POWER SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH SECTIONS 605.11.1 THROUGH 605.11.2, THE CALIFORNIA BUILDING CODE, OR CALIFORNIA RESIDENTIAL CODE, AND CALIFORNIA ELECTRICAL CODE.
	FIRE NOTES: (CHAPTER 12 OF CALIFORNIA FIRE CODE) 5 1204.4 – GROUND-MOUNTED PHOTOVOLTAIC ARRAYS SHALL COMPLY WITH SECTION 1204.1 AND THIS SECTION. SETBACK REQUIREMENTS SHALL NOT APPLY TO GROUND-MOUNTED, FREE-STANDING PHOTOVOLTAIC ARRAYS. A CLEAR, BRUSH-FREE AREA OF 10 FEET (3048 mm) SHALL BE REQUIRED FOR GROUND-MOUNTED PHOTOVOLTAIC ARRAYS.
)" N.	
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-3"	
	W
	S
J	

## CONTRACTOR

## REVEL-ENERGY, INC. 2323 MAIN ST. IRVINE, CA 92614 CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171

I HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON THESE PLANS IS IN CONFORMANCE WITH ALL CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA AND FURTHER, IF OMISSIONS OR ERRORS ARE DISCOVERED, I UNDERSTAND THAT THE WORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA PRIOR TO FINAL BUILDING INSPECTION.

DATE

SIGNATURE

STATE LICENSE NO.

1038433 / A, B, C10, C46

Item 2.

#### PROJECT LOCATION: WOODSPUR FARMS PV 5220 INDUSTRIAL WAY COACHELLA, CA 92236

ARCH D (24" X 36") PRINT PAPER SIZE													
NO.	DATE	DESCRIPTION	ELECT.	STRUC.									
	7/27/2021	INITIAL PLAN SET	A.L.										
	8/18/2021	1ST REVISIONS	A.L.										
	9/1/2021	1ST CORRECTIONS	A.L.										
	9/9/2021	2ND REVISIONS	A.L.										
1													

SYSTEM INFO:

TOTAL SYSTEM SIZE: DC STC: 2373.10 KW TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW SOLAR MODULES: (4996) TRINA TSM-475DE15V(II) INVERTER(S): (31) CPS SCA60TL-DO/US-480

SYSTEM (PLANT) 1:

SYSTEM SIZE DC STC: 630.80 KW SYSTEM SIZE AC CEC: 581.05 KW SOLAR MODULES: (1328) TRINA TSM-475DE15V(II) INVERTER(S): (8) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 2:

SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 898.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

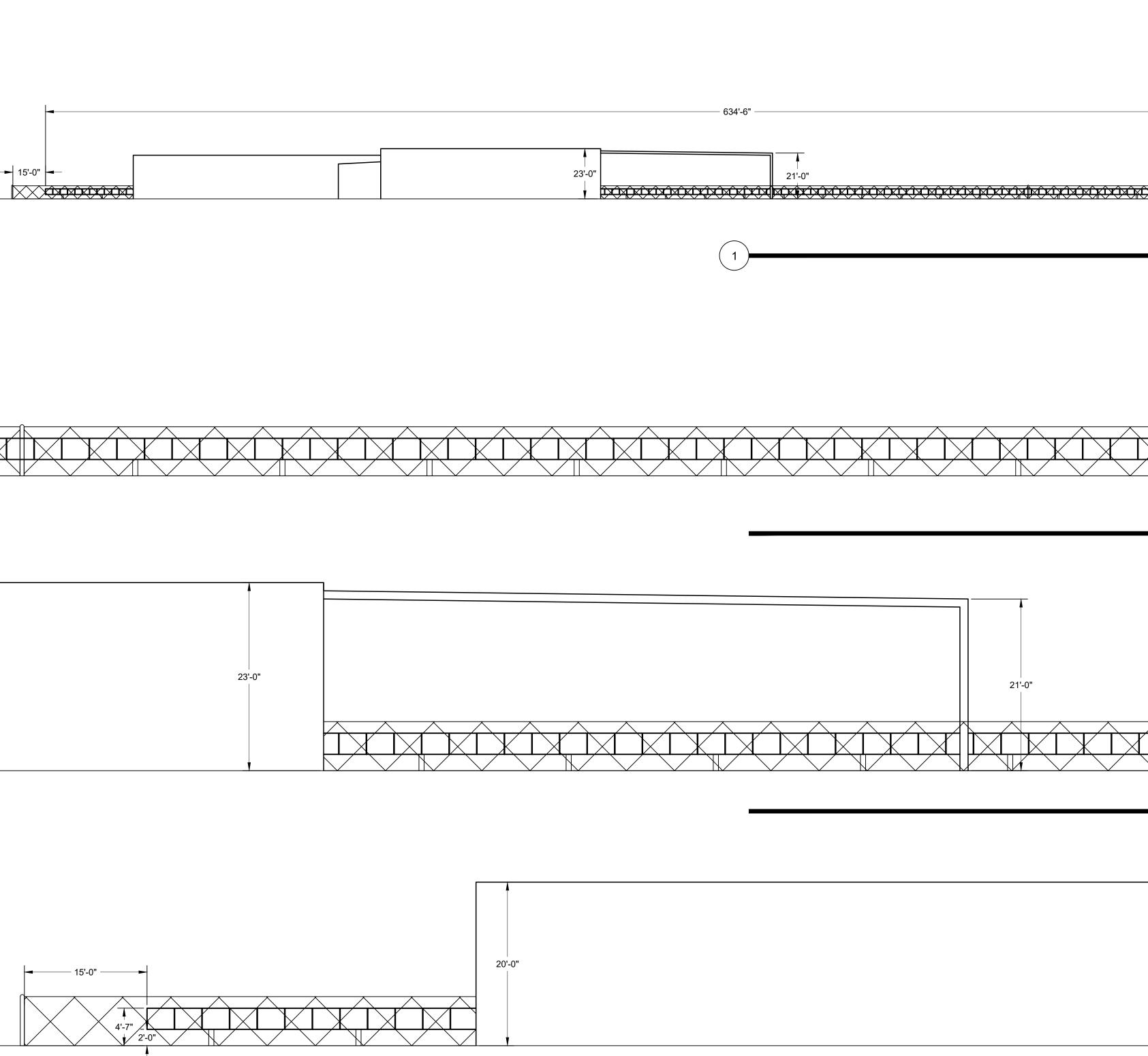
SYSTEM (PLANT) 3:

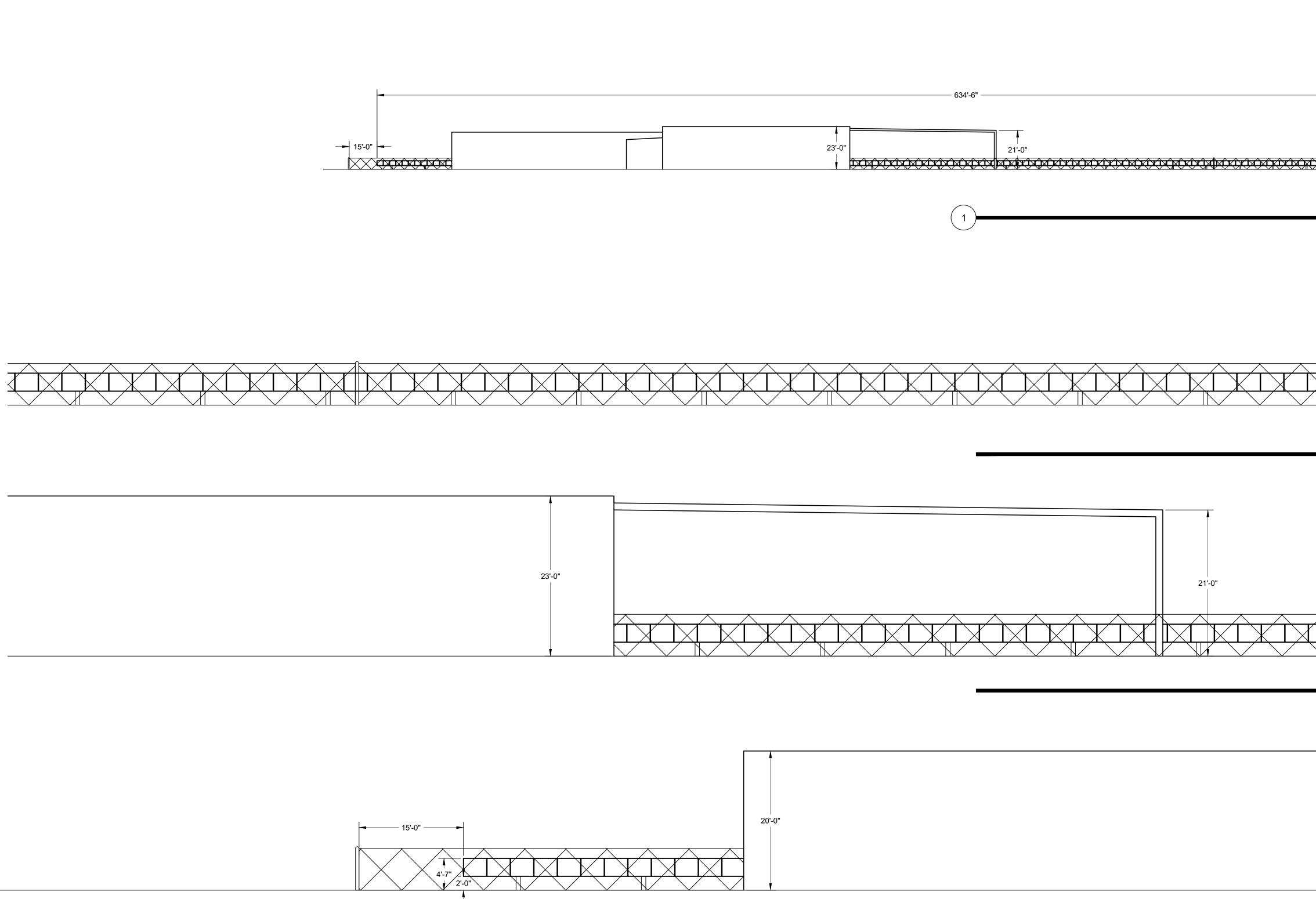
SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-D0/US-480

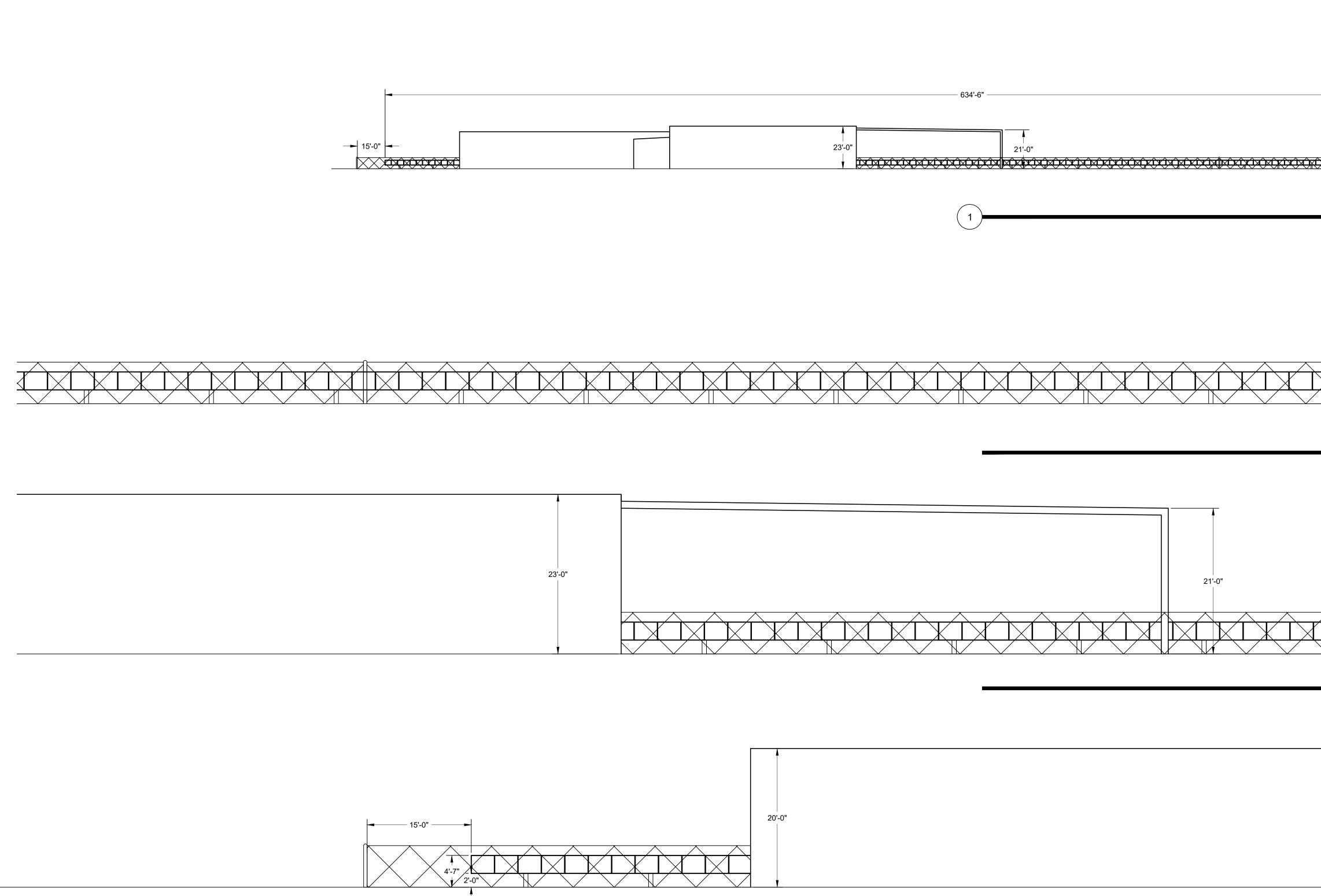
DESCRIPTION:

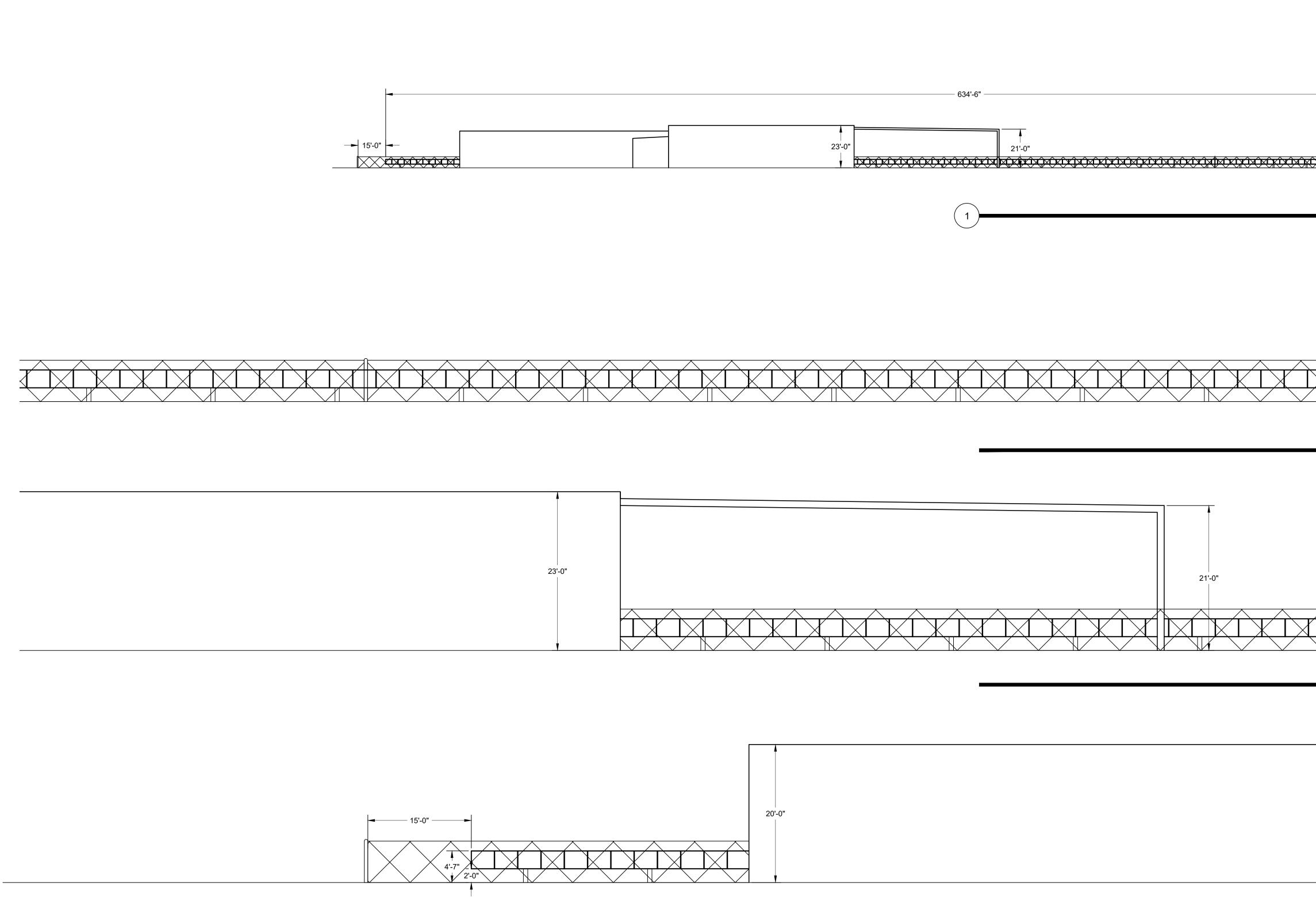
## SITE PLAN

PV 2.0

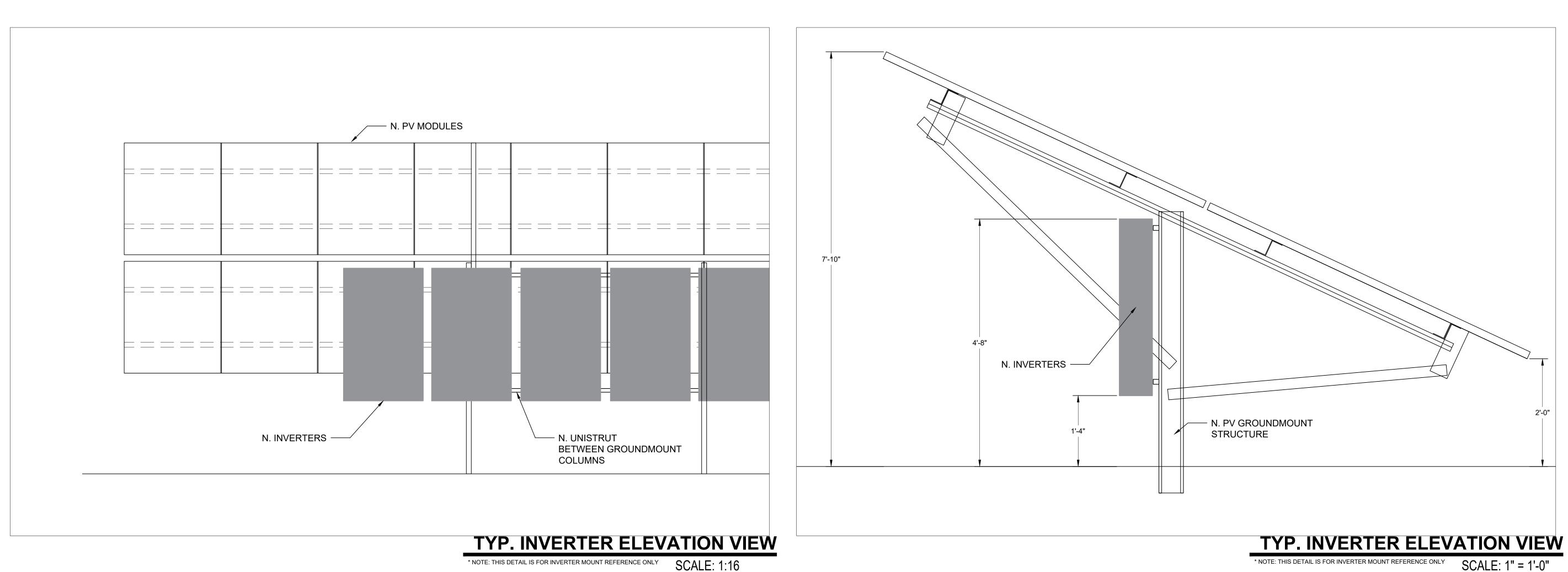


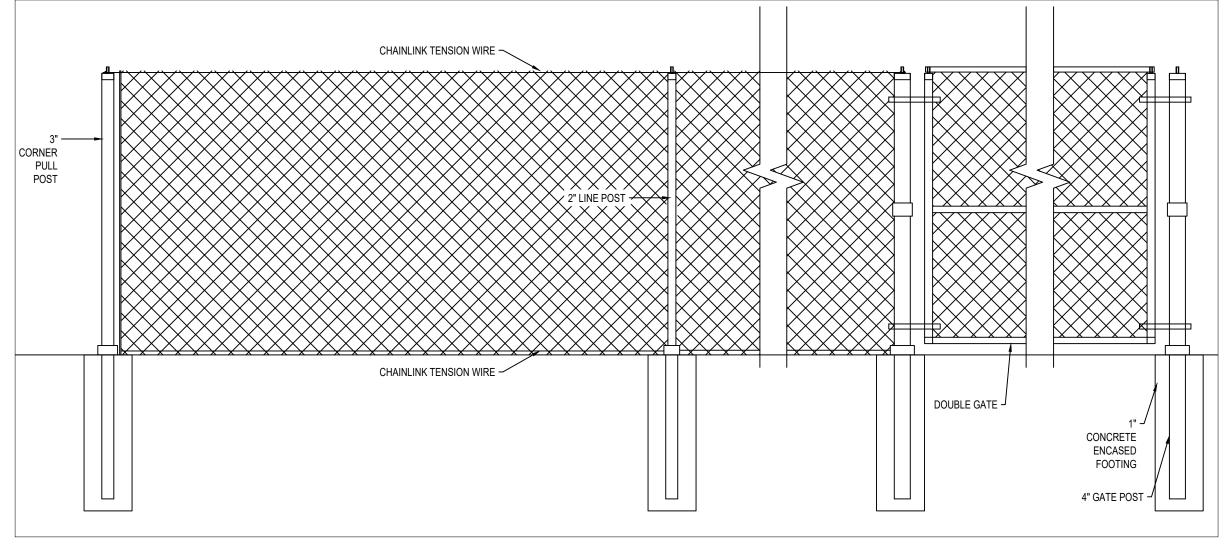


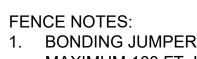




					Item 2.							
		C	ONTRA		R							
	REVEL-ENERGY, INC. 2323 MAIN ST. IRVINE, CA 92614											
	C	SLB #	IRVINE, C/ 1038433 / (949) 28	/ A, B, C								
	THESI ORDIN	E PLANS IS NANCES OF	THAT THE WORK PF IN CONFORMANCE WI THE AHJ OF CITY OF RRORS ARE DISCOVE	ROPOSED TO BE TH ALL CODES COACHELLA AN	AND ID FURTHER, IF							
	AND C	DRDINANCE BUILDING I	ED WILL BE REQUIREI S OF THE AHJ OF CIT NSPECTION. DATE	Y OF COACHELL								
ELEVATION DETAIL SCALE: 1" = 30'				1038433	3 / A, B, C10, C46							
			PROJECT LC	FARMS								
<b>RIGHT SIDE ELEVATION DETAIL</b>			0 INDUST ACHELLA									
SCALE: 1/8" = 1'-0"		-			STRUC							
	<u>NO.</u>	DATE 7/27/2021 8/18/2021	DESCRIPTION INITIAL PLAN SET 1ST REVISIONS	A.L.	STRUC.  							
		9/1/2021 9/9/2021	1ST CORRECTIONS 2ND REVISIONS	A.L.								
CENTRAL ELEVATION DETAIL												
SCALE: 1/8" = 1'-0"	•	Em INFO:	ZE: DC STC: 2373.10	 								
	TOTAL SOLAF	. SYSTEM S R MODULES:	ZE: AC CEC: 2185.93 (4996) TRINA TSM-4 ) CPS SCA60TL-DO/U	KW 75DE15V(II)								
	SYSTE		1: STC: 630.80 KW CEC: 581.05 KW									
	SOLAF	R MODULES:	(1328) TRINA TSM-4 CPS SCA60TL-DO/US									
	SYSTE		STC: 975.65 KW									
	SOLAF	R MODULES:	CEC: 898.70 KW (2054) TRINA TSM-4 ) CPS SCA60TL-DO/U									
LEFT SIDE ELEVATION DETAIL	SYSTE		STC: 766.65 KW									
SCALE: 1/8" = 1'-0"	SOLAF	R MODULES:	CEC: 706.18 KW (1614) TRINA TSM-47 ) CPS SCA60TL-DO/U									
	DES											
		ELE	EVATION	I DET								
			<b>-</b>									
		D	V	2								







- 2. BONDING JUMPERS ARE REQUIRED ON EACH SIDE OF THE CROSSING WHERE BARE OVERHEAD CONDUCTORS CROSS THE FENCE.
- 3. GATES MUST BE BONDED TO THE GATE SUPPORT POST, AND EACH GATE SUPPORT POST MUST BE BONDED TO THE GROUNDING ELECTRODE
- SYSTEM.
- 4. ANY GATE OR OTHER OPENING IN THE FENCE MUST BE BONDED ACROSS THE OPENING BY A BURIED BONDING JUMPER.
- 5. THE GROUNDING GRID OR GROUNDING ELECTRODE SYSTEMS SHALL BE EXTENDED TO COVER THE SWING OF ALL GATES.
- 6. THE BARBED WIRE STRANDS ABOVE THE FENCE MUST BE BONDED TO THE GROUNDING ELECTRODE SYSTEM.
- SEE PV5 FOR GROUNDING DETAILS

## FENCE DETAIL TYP SCALE: 1/2" = 1'-0"

1. BONDING JUMPERS ARE REQUIRED AT EACH FENCE CORNER AND AT MAXIMUM 160 FT. INTERVALS ALONG THE FENCE.

## **REVEL-ENERGY, INC.** 2323 MAIN ST. IRVINE, CA 92614 CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171 I HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON THESE PLANS IS IN CONFORMANCE WITH ALL CODES AND

CONTRACTOR

ORDINANCES OF THE AHJ OF CITY OF COACHELLA AND FURTHER, IF OMISSIONS OR ERRORS ARE DISCOVERED, I UNDERSTAND THAT THE WORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA PRIOR TO FINAL BUILDING INSPECTION.

DATE

SIGNATURE

STATE LICENSE NO.

1038433 / A, B, C10, C46

#### PROJECT LOCATION: WOODSPUR FARMS PV 5220 INDUSTRIAL WAY COACHELLA, CA 92236

		PRINT PAPER SIZE		1 -
NO.	DATE	DESCRIPTION	ELECT.	STRUC.
	7/27/2021	INITIAL PLAN SET	A.L.	
	8/18/2021	1ST REVISIONS	A.L.	
	9/1/2021	1ST CORRECTIONS	A.L.	
	9/9/2021	2ND REVISIONS	A.L.	
$\overline{\Lambda}$				

SYSTEM INFO:

TOTAL SYSTEM SIZE: DC STC: 2373.10 KW TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW SOLAR MODULES: (4996) TRINA TSM-475DE15V(II) INVERTER(S): (31) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 1:

SYSTEM SIZE DC STC: 630.80 KW SYSTEM SIZE AC CEC: 581.05 KW SOLAR MODULES: (1328) TRINA TSM-475DE15V(II) INVERTER(S): (8) CPS SCA60TL–D0/US–480

SYSTEM (PLANT) 2:

SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 898.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 3:

SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL–D0/US–480

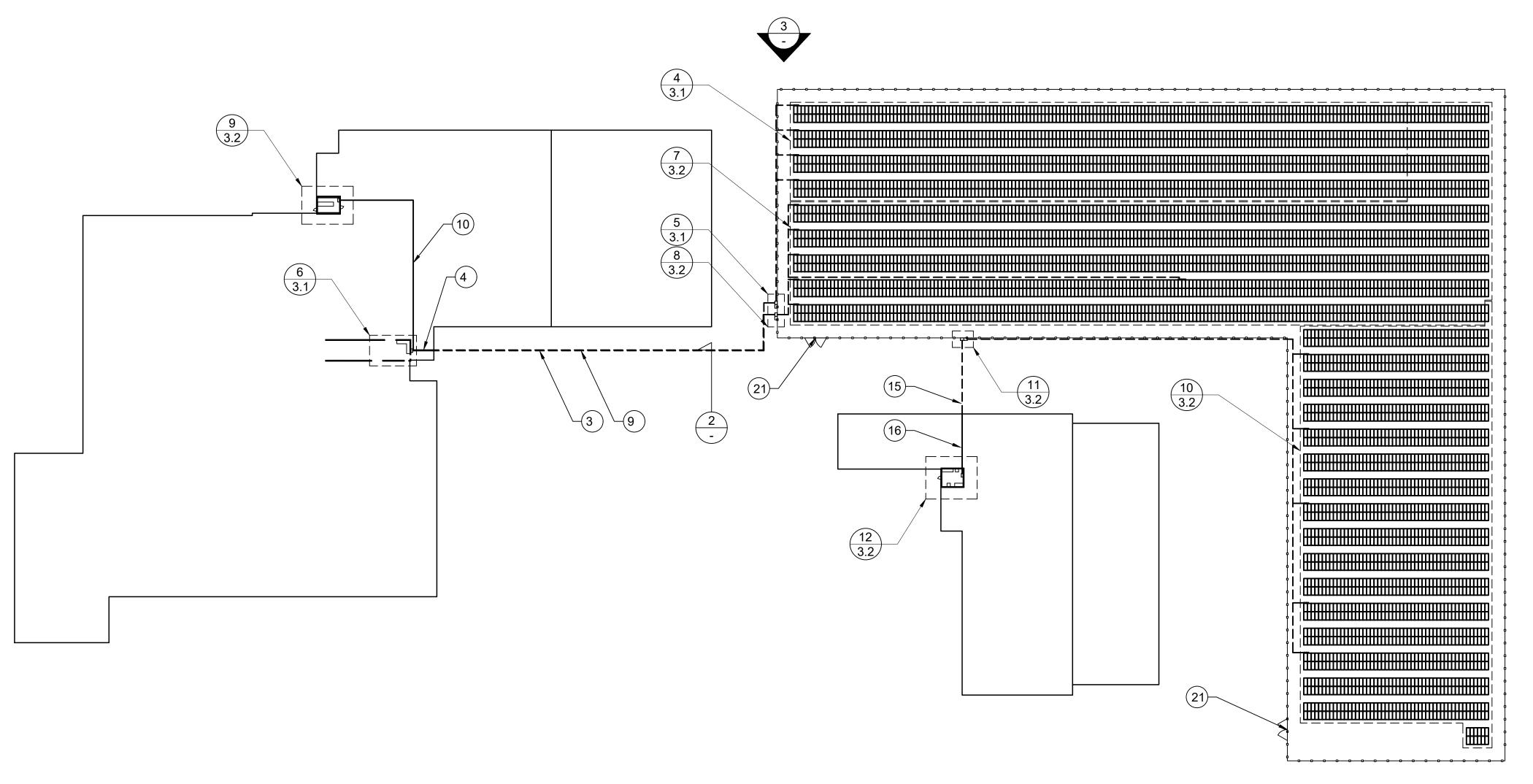
**DESCRIPTION:** 

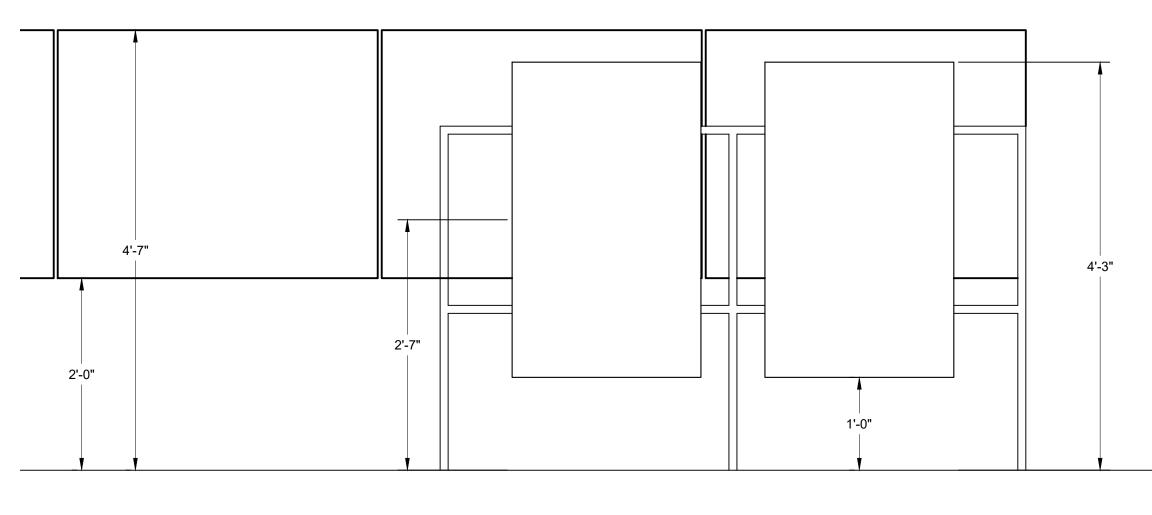
## **ELEVATION DETAIL**

# **PV 2.2**

\* NOTE: THIS DETAIL IS FOR INVERTER MOUNT REFERENCE ONLY

\*SEE PV 5 FOR FENCE GROUNDING DETAILS\*

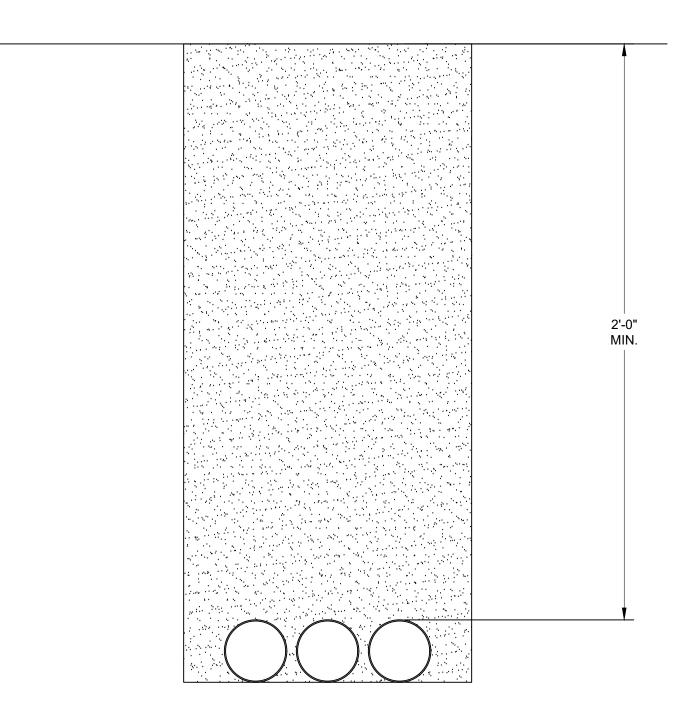




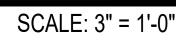
## **TYP. INVERTER ELEVATION** SCALE: 1" = 1'-0"

## PLOT PLAN

SCALE: 1/64" = 1'-0



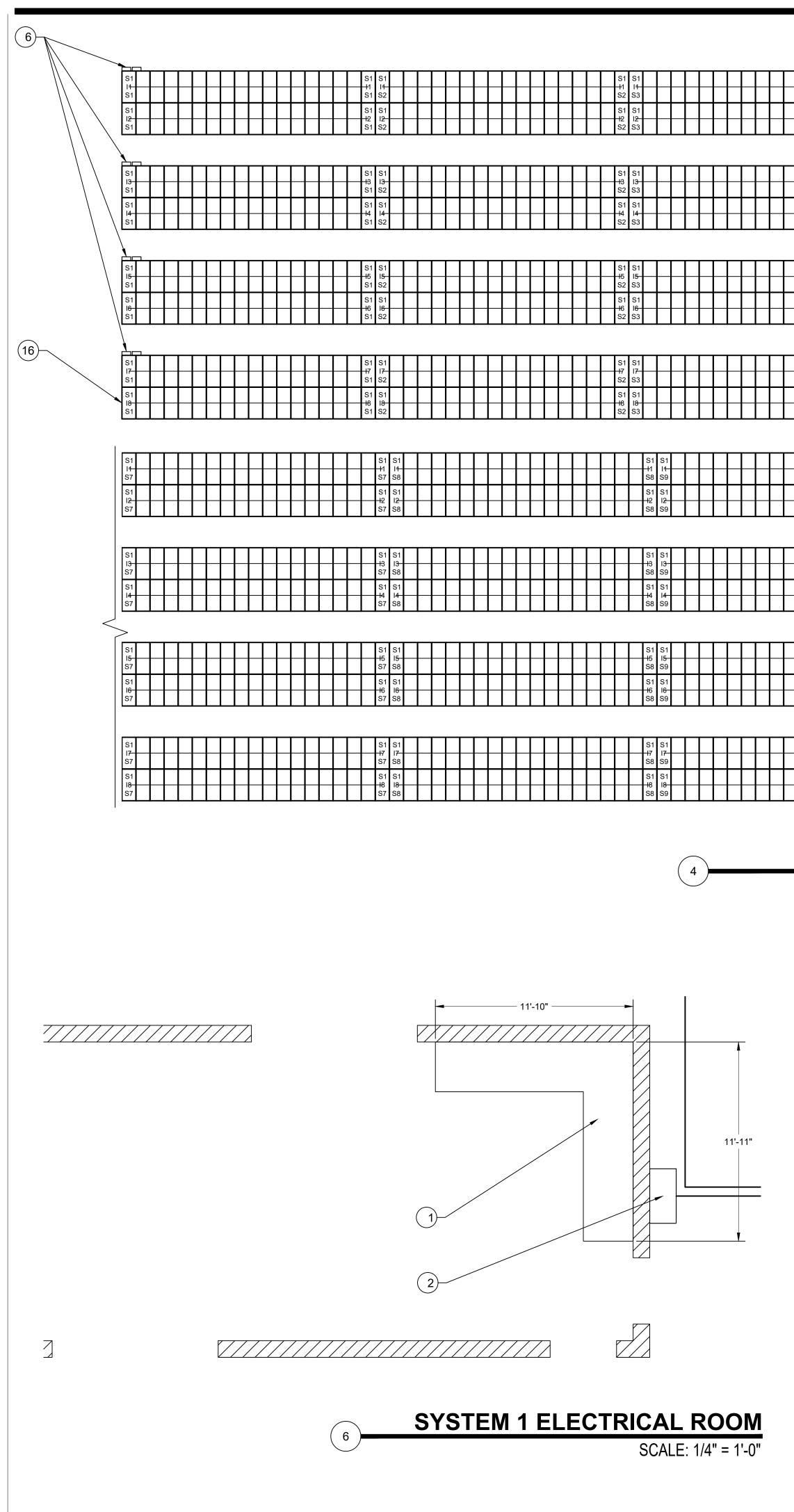






	DI	Δ	N LEGEND	Item 2.
			SYSTEM 1 IID METER 5DY3B-200247	
			4000A 480Y/277V 3P-4W SWITCHGEAR. INTERIOR. PAD MOUNTED.	
	(2)	N.	800A 600V 3P/4W NON-FUSED PHOTOVOLTAIC AC DISCONNECT. INTERIOR. WALL MOUNTED. SYSTEM DISCONNECT 1 OF 2.	CONTRACTOR
	3	N.	UNDERGROUND PVC SCH40 TO ROOFTOP EMT. SEE PV4.0 FOR WIRE SCHEDULE.	REVEL-ENERGY, INC.
	4	N.	ROOFTOP EMT TO ELECTRICAL ROOM. SEE PV4.0 FOR WIRE SCHEDULE.	2323 MAIN ST. IRVINE, CA 92614
	5	N.	800A 480Y/277V PV COMBINER SWITCHGEAR W/ RPU METER SOCKET SYSTEM. DISCONNECT 2 OF 2	CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171
	6	N.	SCA60TL-DO/US-480 PV INVERTERS. OUTDOOR RATED W/INTEGRATED DC & AC DISCONNECTS. ARRAY MOUNTED.	I HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON THESE PLANS IS IN CONFORMANCE WITH ALL CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA AND FURTHER, IF OMISSIONS OR ERRORS ARE DISCOVERED, I UNDERSTAND THAT THE WORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA PRIOR TO FINAL BUILDING INSPECTION. SIGNATURE DATE STATE LICENSE NO.
	7	E.	SYSTEM 2 IID METER 5DY3B-200511 3000A 480Y/277V 3P-4W SWITCHGEAR. INTERIOR. PAD MOUNTED.	1038433 / A, B, C10, C46
	8	N.	1600A 600V 3P/4W FUSED PHOTOVOLTAIC AC DISCONNECT. 1600A FUSES. INTERIOR. WALL MOUNTED.	
	9	N.	SYSTEM DISCONNECT 1 OF 2. UNDERGROUND PVC SCH40. SEE PV4.1 FOR WIRE	
	(10)	N.	SCHEDULE. ROOFTOP EMT TO ELECTRICAL ROOM. SEE PV4.1	
	(11)	N.	FOR WIRE SCHEDULE. 1600A 480Y/277V PV COMBINER SWITCHGEAR W/ RPU METER SOCKET.	PROJECT LOCATION: WOODSPUR FARMS PV
	(12)	N.	SYSTEM DISCONNECT 2 OF 2. SCA60TL-DO/US-480 PV INVERTERS. OUTDOOR RATED W/INTEGRATED DC & AC DISCONNECTS. ARRAY MOUNTED.	5220 INDUSTRIAL WAY COACHELLA, CA 92236
	(13)	E.	SYSTEM 3 IID METER 5DY3B-200438 3000A 480Y/277V 3P-4W SWITCHGEAR. INTERIOR. PAD MOUNTED.	ARCH D (24" X 36") PRINT PAPER SIZE         NO.       DATE       DESCRIPTION       ELECT.       STRUC.         7/27/2021       INITIAL PLAN SET       A.L.          8/18/2021       1ST REVISIONS       A.L.          9/1/2021       1ST CORRECTIONS       A.L.
AN	(14)	N.	1200A 600V 3P/4W FUSED PHOTOVOLTAIC AC DISCONNECT. 1000A FUSES. INTERIOR. WALL MOUNTED.	9/9/2021 2ND REVISIONS A.L
'-0"	(15)	N.	SYSTEM DISCONNECT 1 OF 2. UNDERGROUND PVC SCH40. SEE PV4.2 FOR	
	(16)		WIRE SCHEDULE. ROOFTOP EMT TO ELECTRICAL ROOM. SEE PV4.2	
	(17)	N.	FOR WIRE SCHEDULE. 1200A 480Y/277V PV COMBINER SWITCHGEAR	
			W/ RPU METER SOCKET. SYSTEM DISCONNECT 2 OF 2.	
	(18)	N.	SCA60TL-DO/US-480 PV INVERTERS. OUTDOOR RATED W/INTEGRATED DC & AC DISCONNECTS. ARRAY MOUNTED.	TOTAL SYSTEM SIZE: DC STC: 2373.10 KW TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW SOLAR MODULES: (4996) TRINA TSM-475DE15V(II) INVERTER(S): (31) CPS SCA60TL-D0/US-480 SYSTEM (PLANT) 1:
	(19)	N.	ARRAY "A". 4410 MODULES MOUNTED ON	SYSTEM SIZE DC STC: 630.80 KW SYSTEM SIZE AC CEC: 581.05 KW
	20	N.	STRUCTURE. FENCELINE AROUND ARRAY "A". 15'	SOLAR MODULES: (1328) TRINA TSM-475DE15V(II) INVERTER(S): (8) CPS SCA60TL-DO/US-480
	(21)	N.	CLEARANCE FROM ARRAY. FENCE GATE.	SYSTEM (PLANT) 2: SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 898.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480
			S1 DENOTES SYSTEM NUMBER	SYSTEM (PLANT) 3:
			I1 DENOTES INVERTER NUMBER S1 DENOTES STRING NUMBER	SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-D0/US-480
		L	PHOTOVOLTAIC MODULE	DESCRIPTION:
			SET 811 BEFORE LE	PLOT PLAN
			S BII	
<b>IL</b>  '-0"			SPERIOGGING PARINE	PV 3.0

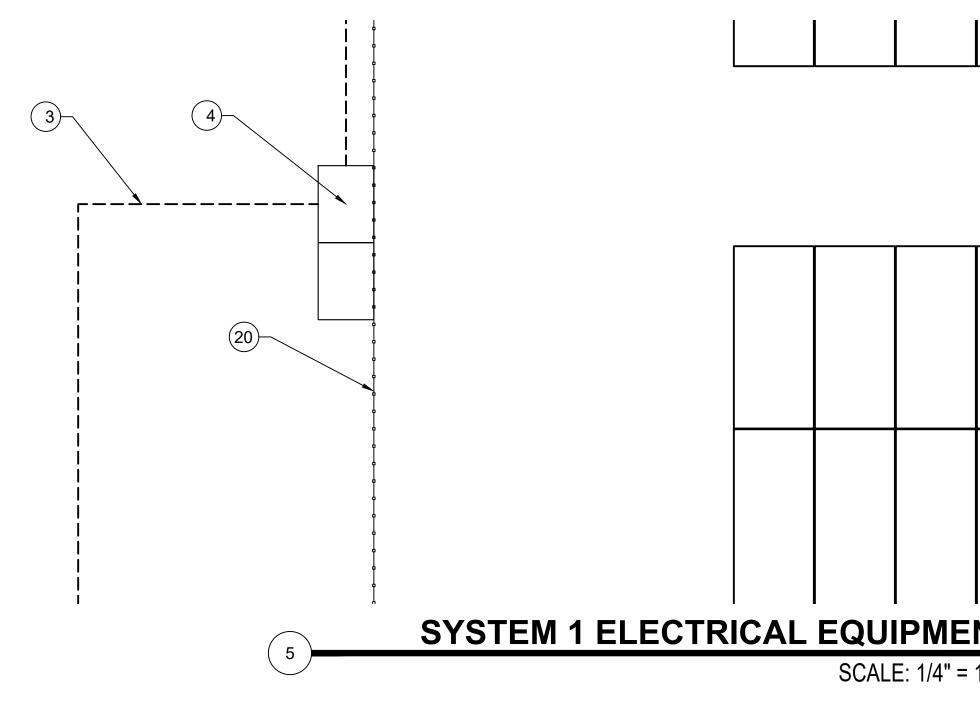
Item 2.



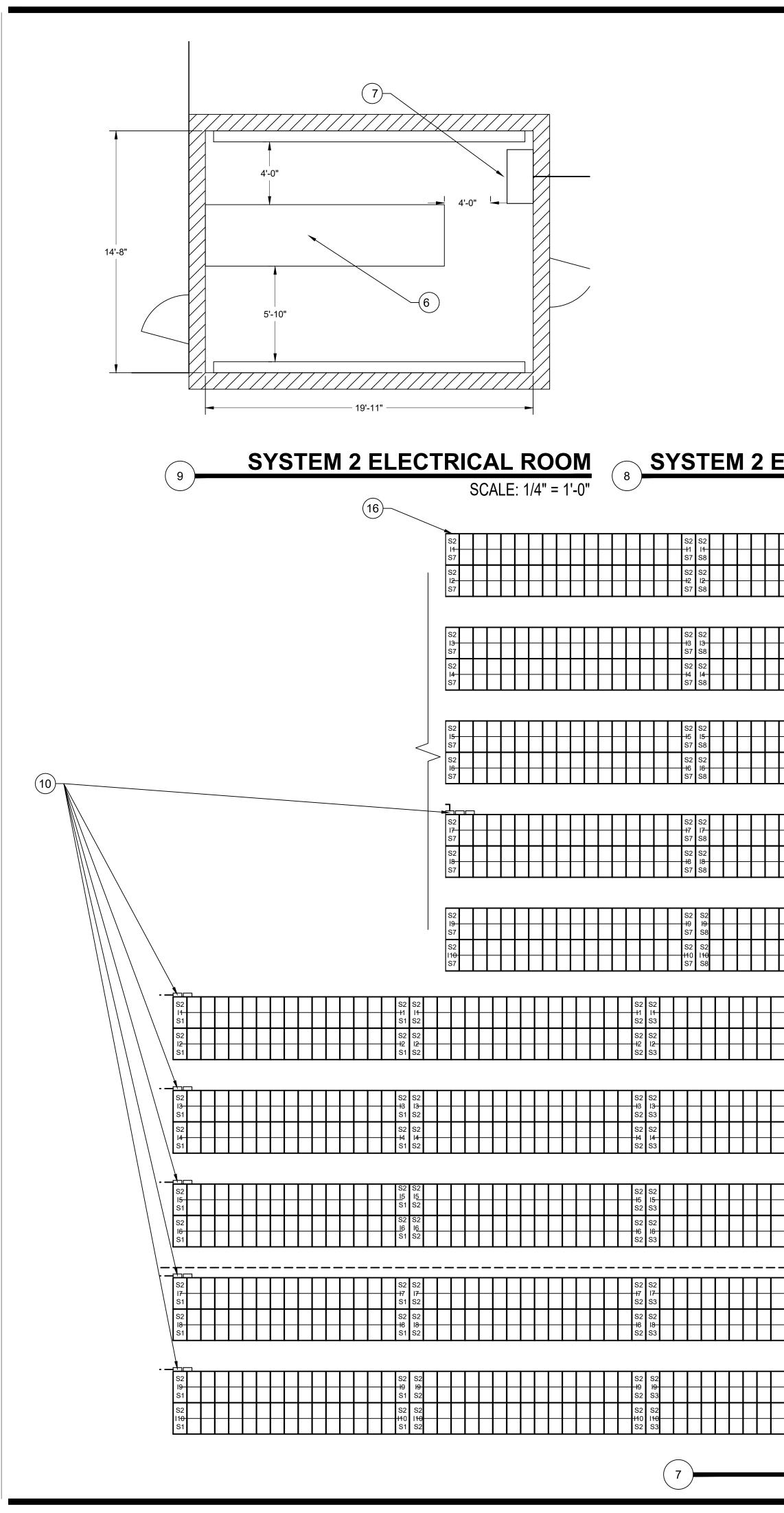
		S1 S -11 S S1 S -12 I S3 S										1 S <sup>7</sup> 1 I <del>1</del> 4 S5 1 S <sup>7</sup> 2 I2 4 S5									S1 I <del>1</del> S6 S1 I <del>2</del> S6							
		S1 S 13 I S3 S S1 S 14 I S3 S	51 1 <del>3</del> 54								S IS	1 S <sup>2</sup> 3 I <del>3</del> 4 S5 1 S <sup>2</sup> 4 I <del>4</del> 4 S5	1							S1 <del>1</del> 3 S5	S1 I <del>3-</del> S6 S1 I <del>4</del> S6							
		S1 5 15 1 S3 5 S1 5 16 1 S3 5										5 I5 5 I5 4 St 6 I6 4 St									S1 I <del>5</del> S6 S1 I <del>6</del> S6							
		S1 S 17 I S3 S S1 S 18 I S3 S										1 S <sup>2</sup> 7 I7 4 St 1 S <sup>2</sup> 8 I8 4 St									S1 I <del>7</del> S6 S1 I <del>8</del> S6							
				S1 +1 S9 S1 +2 S9																								
¥ -6"				S1 +3 S9 S1 +4 S9																								
 YP.				S1 +5 S9 S1 +6 S9																								
				S1 17 S9 S1 18 S9																								

## SYSTEM 1 ARRAY PLA

SCALE: 1/16" =



		Item 2.
	PLAN LEGEND	
S1 	<ol> <li>E. SYSTEM 1 IID METER 5DY3B-200247 4000A 480Y/277V 3P-4W SWITCHGEAR. INTERIOR. PAD MOUNTED.</li> </ol>	
S1 +12 S6	2 N. 800A 600V 3P/4W NON-FUSED PHOTOVOLTAIC AC DISCONNECT. INTERIOR. WALL MOUNTED. SYSTEM DISCONNECT 1 OF 2.	CONTRACTOR
5 章 6 5 章 6 5 章 6 5 章 6 5 章 6 5 章 6 5 章 6 5 章 6 5 章 6 5 5 6 5 5 5 5 5 5 5 5 5 5 5 5 5	<ul> <li>N. UNDERGROUND PVC SCH40 TO ROOFTOP EMT. SEE PV4.0 FOR WIRE SCHEDULE.</li> <li>N. ROOFTOP EMT TO ELECTRICAL ROOM. SEE PV4.0 FOR WIRE SCHEDULE.</li> <li>N. 800A 480Y/277V PV COMBINER SWITCHGEAR W/ RPU METER SOCKET SYSTEM.</li> </ul>	REVEL-ENERGY, INC. 2323 MAIN ST. IRVINE, CA 92614 CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171
5 56 51 56 51 56 51 56 51 56 51 56 51 56 56 51 56 56 56 56 56 56 56 56 56 56	<ul> <li>DISCONNECT 2 OF 2</li> <li>N. SCA60TL-DO/US-480 PV INVERTERS. OUTDOOR RATED W/INTEGRATED DC &amp; AC DISCONNECTS. ARRAY MOUNTED.</li> </ul>	I HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON THESE PLANS IS IN CONFORMANCE WITH ALL CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA AND FURTHER, IF OMISSIONS OR ERRORS ARE DISCOVERED, I UNDERSTAND THAT THE WORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA PRIOR TO FINAL BUILDING INSPECTION. SIGNATURE DATE STATE LICENSE NO. 1038433 / A, B, C10, C46
		PROJECT LOCATION: WOODSPUR FARMS PV 5220 INDUSTRIAL WAY COACHELLA, CA 92236
		ARCH D (24" X 36") PRINT PAPER SIZE         NO.       DATE       DESCRIPTION       ELECT.       STRUC.         7/27/2021       INITIAL PLAN SET       A.L.          8/18/2021       1ST REVISIONS       A.L.          9/1/2021       1ST CORRECTIONS       A.L.          9/9/2021       2ND REVISIONS       A.L.          Image: Structure       Image: Structure       Image: Structure       Image: Structure         Image: Structure       Image: Structure       Image: Structure       Image: Structure       Image: Structure         Image: Structure       Image: Structure       Image: Structure       Image: Structure       Image: Structure       Image: Structure         Image: Structure
<b>AN</b> 1'-0"		
		SYSTEM INFO:         TOTAL SYSTEM SIZE: DC STC: 2373.10 KW         TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW         SOLAR MODULES: (4996) TRINA TSM-475DE15V(II)         INVERTER(S): (31) CPS SCA60TL-D0/US-480
	<ul> <li>(19) N. ARRAY "A". 4410 MODULES MOUNTED ON STRUCTURE.</li> <li>(20) N. FENCELINE AROUND ARRAY "A". 15' CLEARANCE FROM ARRAY.</li> <li>(21) N. FENCE GATE.</li> </ul>	SYSTEM (PLANT) 1: SYSTEM SIZE DC STC: 630.80 KW SYSTEM SIZE AC CEC: 581.05 KW SOLAR MODULES: (1328) TRINA TSM-475DE15V(II) INVERTER(S): (8) CPS SCA60TL-D0/US-480 SYSTEM (PLANT) 2: SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 898.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480
	S1DENOTES SYSTEM NUMBERI1DENOTES INVERTER NUMBERS1DENOTES STRING NUMBER	SYSTEM (PLANT) 3: SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-D0/US-480
	PHOTOVOLTAIC MODULE	DESCRIPTION: SYSTEM 1 PLAN
I NT 1'-0"	SPERIOR PARTNER	<b>PV 3.1</b>



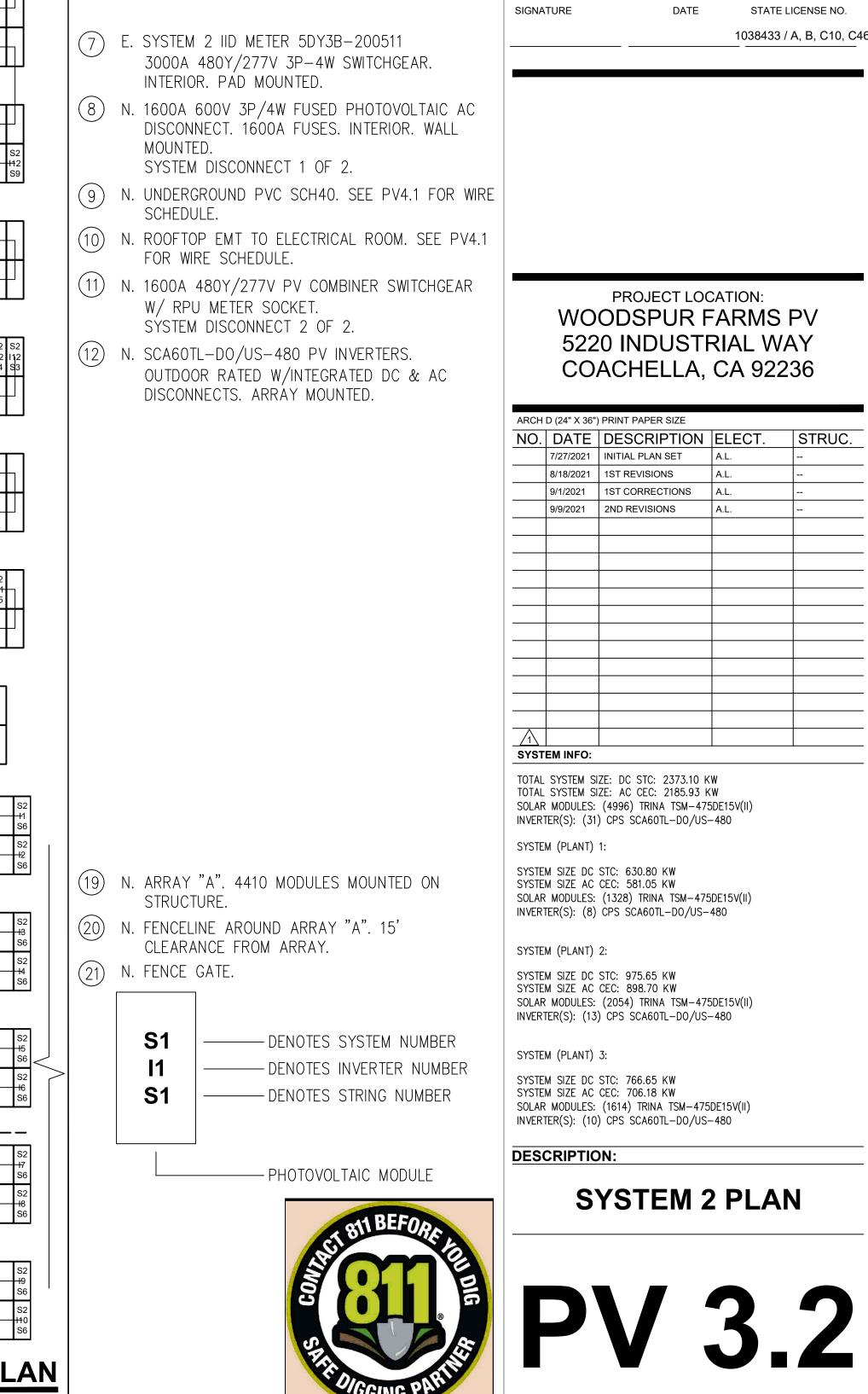
	S2     S2     S2     S2     S2     S2       H3     H3     H3     H3     H3       S8     S9     S2     S2     S9       S8     S9     S2     S2       H3     S8     S9     S2       S8     S9     S2     S2       S8     S9     S2       S8     S9     S2       S8     S7     S1
	S2     S2     S2     S2     S2     S2       H3     H3     H3     H3     H3     H3       S6     S7     S7     S2     S2       H3     H3     S6     S7     S2       S2     S2     S2     S2     S2       H3     H3     S6     S7     S2       S6     S5     S5     S4
	S2     <
ELECTRICAL EQUIPMENT SCALE: 1/4" = 1'-0"	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
Image: Section of the section of th	7'-6" TYP.
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Image: Set of	S2       S5       S6       S6 <td< th=""></td<>
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Image: Set of the set of	S2       S2 <td< th=""></td<>
	<b>SYSTEM 2 ARRAY PLAN</b> SCALE: 1/16" = 1'-0"

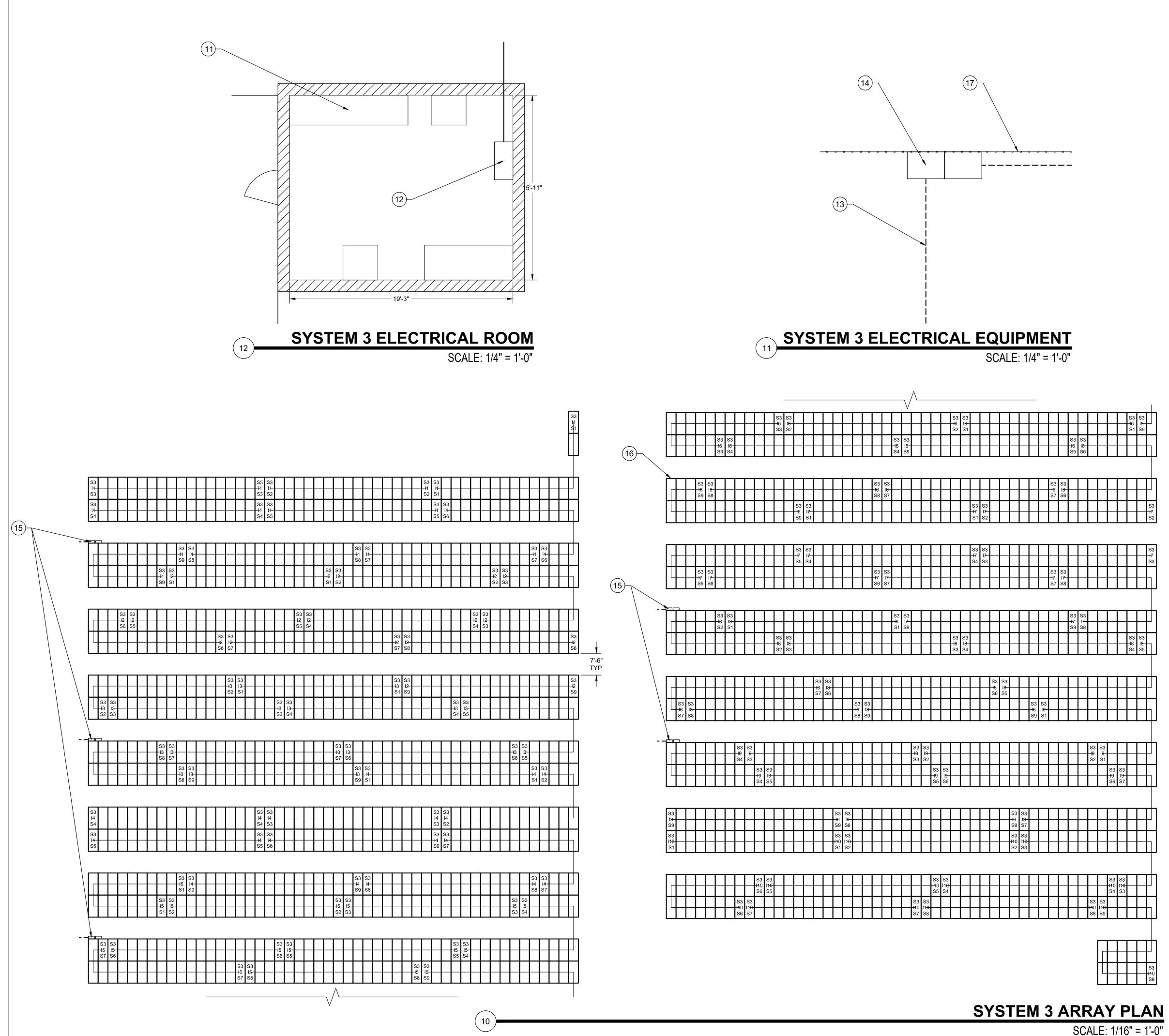
## PLAN LEGEND

## **REVEL-ENERGY**, INC. 2323 MAIN ST. IRVINE, CA 92614 CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171

I HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON THESE PLANS IS IN CONFORMANCE WITH ALL CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA AND FURTHER, IF OMISSIONS OR ERRORS ARE DISCOVERED, I UNDERSTAND THAT THE WORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA PRIOR TO FINAL BUILDING INSPECTION.

1038433 / A, B, C10, C46





SCALE: 1/16" = 1'-0"

## PLAN LEGEND

## CONTRACTOR

## REVEL-ENERGY, INC. 2323 MAIN ST. **IRVINE**, CA 92614 CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171

I HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON THESE PLANS IS IN CONFORMANCE WITH ALL CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA AND FURTHER, IF OMISSIONS OR ERRORS ARE DISCOVERED, I UNDERSTAND THAT THE WORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA PRIOR TO FINAL BUILDING INSPECTION.

DATE

SIGNATURE

STATE LICENSE NO.

1038433 / A, B, C10, C46



ARCH	D (24" X 36")	PRINT PAPER SIZE		
NO.	DATE	DESCRIPTION	ELECT.	STRUC.
	7/27/2021	INITIAL PLAN SET	A.L.	
	8/18/2021	1ST REVISIONS	A.L.	
	9/1/2021	1ST CORRECTIONS	A.L.	
	9/9/2021	2ND REVISIONS	A.L.	
$\Lambda$				

SYSTEM INFO:

TOTAL SYSTEM SIZE: DC STC: 2373.10 KW TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW SOLAR MODULES: (4996) TRINA TSM-475DE15V(II) INVERTER(S): (31) CPS SCA60TL-D0/US-480 SYSTEM (PLANT) 1:

SYSTEM SIZE DC STC: 630.80 KW SYSTEM SIZE AC CEC: 581.05 KW SOLAR MODULES: (1328) TRINA TSM-475DE15V(II) INVERTER(S): (8) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 2:

SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 898.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 3:

SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-DO/US-480

DESCRIPTION:

## SYSTEM 3 PLAN

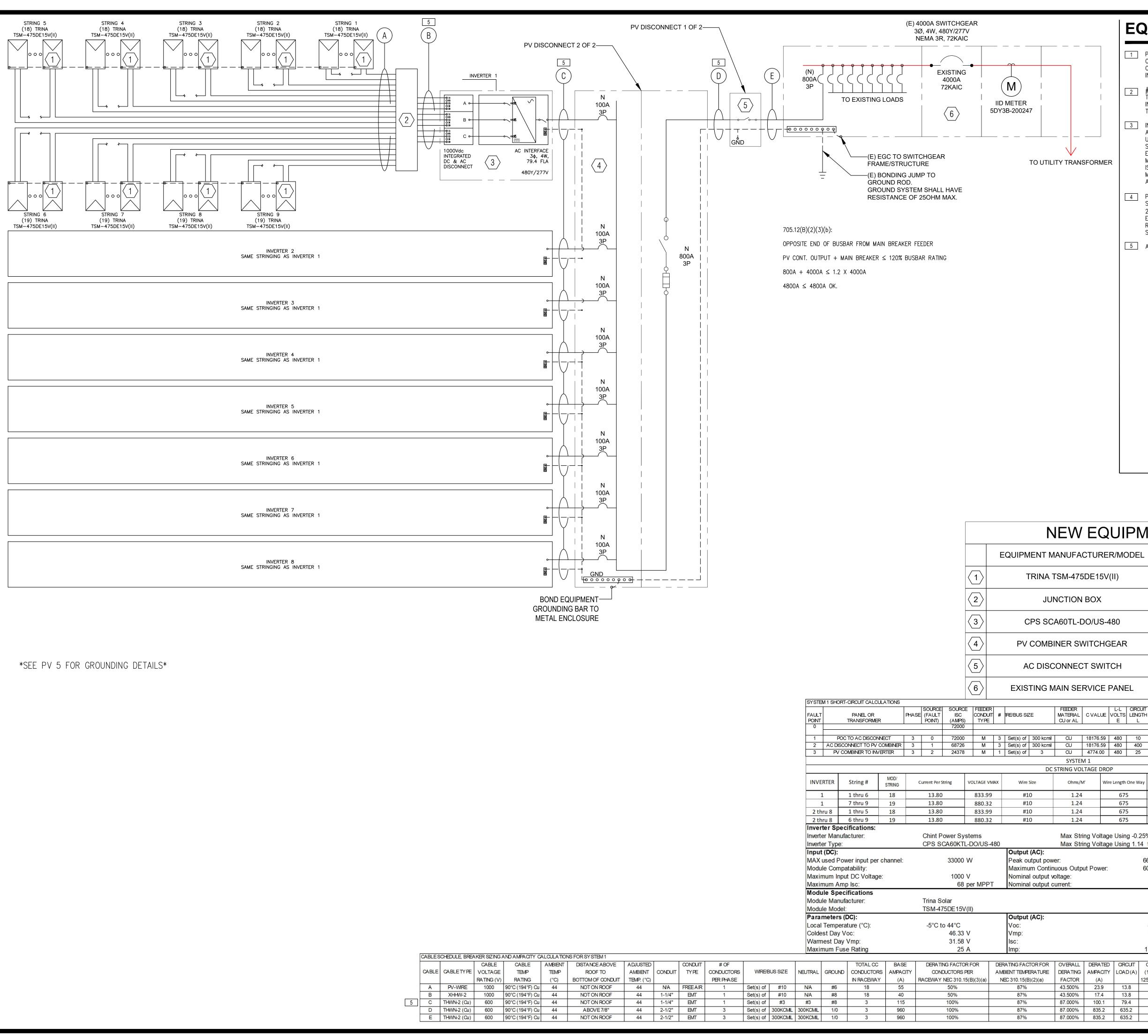
# PV 3.3

- (13) E. SYSTEM 3 IID METER 5DY3B-200438 3000A 480Y/277V 3P-4W SWITCHGEAR. INTERIOR. PÁD MOUNTED.
- 14 N. 1200A 600V 3P/4W FUSED PHOTOVOLTAIC AC DISCONNECT. 1000A FUSES. INTERIOR. WALL MOUNTED. SYSTEM DISCONNECT 1 OF 2.
- 15 N. UNDERGROUND PVC SCH40. SEE PV4.2 FOR WIRE SCHEDULE.
- (16) N. ROOFTOP EMT TO ELECTRICAL ROOM. SEE PV4.2 FOR WIRE SCHEDULE.
- (17) N. 1200A 480Y/277V PV COMBINER SWITCHGEAR W/ RPU METER SOCKET. SÝSTEM DISCONNECT 2 OF 2.
- (18) N. SCA60TL-DO/US-480 PV INVERTERS. OUTDOOR RATED W/INTEGRATED DC & AC DISCONNECTS. ARRÁY MOUNTED.
- (19) N. ARRAY "A". 4410 MODULES MOUNTED ON STRUCTURE.
- (20) N. FENCELINE AROUND ARRAY "A". 15' CLEARANCE FROM ARRAY.
- 21) N. FENCE GATE.

<b>S1</b>	DENOTES SYSTEM NUMBER
<b>I</b> 1	DENOTES INVERTER NUMBER
<b>S1</b>	DENOTES STRING NUMBER

- PHOTOVOLTAIC MODULE





	CABLE SCHEDULE, BREAKER SIZING AND AMP									
			CABLE	CAB						
	CABLE	CABLETYPE	VOLTAGE	TEN						
			RATING (V)	RATI						
	Α	PV-WRE	1000	90°C (19						
	В	XHHW-2	1000	90°C (19-						
5	C	THWN-2 (Cu)	600	90°C (19						
	D	THWN-2 (Cu)	600	90°C (19						
	E	THWN-2 (Cu)	600	90°C (19						

			Ite	em 2.			
	EQ	UIPMENT NOTES					
		PHOTOVOLTAIC MODULES INCLUDE #12 AWG OUTDOOR RATED MC4 CONNECTORS FOR MODULE INTERCONNECTION. DO NOT REMOVE THE QUICK CONNECTS, OTHERWISE THE MODULE WARRANTY AND THE UL LISTING WILL BE NVALIDATED.					
	<u> </u>	#6 AWG BARE COPPER GROUND WILL BE USED AS EQUIPMENT GROUND FOR THE RACKING. USE MODULE GROUNDING METHODS PER MANUFACTURERS NSTALLATION REQUIREMENTS. THE MODULE EQUIPMENT GROUND SHALL TERMINATE AT THE INVERTER CABINET.	CONTRACTOR				
FORMER	4 F E E E E E E E E E E E E E	NVERTERS NEMA 3R RATED WITH UL 1741–SA LISTING INCLUDING INTERNAL ANTI–ISLANDING PROTECTION FEATURES WITH CA RULE 21 COMPLIANCE. JL1741 LISTING INCLUDES COMPLIANCE WITH IEEE1547 FOR INTERCONNECTION SYSTEM AND TEST REQUIREMENTS AND THE NATIONAL ELECTRIC CODE. TIED TO EXISTING FACILITY GROUND. INVERTER HAS INTERNAL DC DISCONNECTION MEANS, FUSED AT 20A PER POLE. INVERTER IS U.L. LISTED AS A UNIT. UNIT S EQUIPPED WITH UL1741 APPROVED GROUND FAULT DETECTION DEVICE THAT MEETS NEC 250.122 REQUIREMENTS FOR EQUIPMENT GROUNDING. NOTE: SEE ATTACHED CUTSHEETS FOR DETAILS. PER NEC 250.53(A)(2), A SINGLE ROD, PIPE OR PLATE ELECTRODE SHALL BE SUPPLEMENTED BY AN ADDITIONAL ELECTRODE OF TYPE SPECIFIED IN 250.52(A)(2) THROUGH (A)(8) SPACED NO LESS THAN 6FT APART. EXCEPTION, IF A SINGLE ROD, PIPE OR PLATE GROUNDING ELECTRODE HAS A RESISTANCE TO EARTH OF 25 OHMS OR LESS, THE SUPPLEMENTAL ELECTRODE SHALL NOT BE REQUIRED.	REVEL-ENERGY, INC. 2323 MAIN ST. IRVINE, CA 92614 CSLB #: 1038433 / A, B, C10, C4 (949) 281-7171HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON (949) 281-7171HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON FORDINANCES OF THE AHJ OF CITY OF COACHELLA AND FURTHER, OMISSIONS OR ERRORS ARE DISCOVERED, I UNDERSTAND THAT THE VORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE COA AD ORDINANCES OF THE AHJ OF CITY OF COACHELLA PRIOR TO A DOR DINANCES OF THE AHJ OF CITY OF COACHELLA PRIOR TO A DONE DINANCES OF THE AHJ OF CITY OF COACHELLA PRIOR TO A DONE DINANCES OF THE AHJ OF CITY OF COACHELLA PRIOR TO A DONE DINANC				
			PROJECT LOCATION: WOODSPUR FARMS PV				

NEW EQUIPMENT SCHEDULE

JRE	R/MC	DEL		EQUIPMENT DESCRIPTION								
DE15V(II)				TRINA SOLAR 475W PV MODULE								
X					NEN	NEMA 3R JUNCTION BOX						
US-4	480		N	// IN1	-	CPS 60KW INVERTER						
СНС	BEAR			800A BUSBAR, 800A DISCONNECT,								
SWIT	СН									•		
CE	PANE	EL		4000A BUSBAR, 4000A DISCONNECT, 480Y/277V, 3φ, 4W, 72KAIC								
ALUE	L-L VOLTS E		· · -	CIRCUIT LOAD A				f	М	CURRE	ENT ;	FAULT POINT
76.59			0.97	635.2	_		0.000045	0.048	0.95			1
76.59	480	25	0.97	79.4			0.000051	0.461	0.35		_	2
	-	-	<u> </u>		1					1	1	
E DRC	P											
	Wire Length One Way         Total Ohms					E=IxR VD			%VD			
	675	5	1.674	1.674		23.101		2.770%				
	675	5	1.674			23	3.101		2	.624%		
	675	5	1.674	1.674		23.101		2.770%				
	675	5	1.674			23	3.101		2	.624%		
-		-										
66000 VA ut Power: 60000 VA 480 V					CEC Efficiency: 98.5 % Ambient Temperature: -30°C to +60°C Operating Voltage: 480V-3Phase Max Operating Current: 79 4A-3Phase							
							0					
43.1 Vdc 36.2 Vdc 13.8 A 13.12 A				STC Power:         475 W           PTC Power:         444.2 W								
					Max System Voltage: Voc Temp. Coeff.		1500 V -0.25 %/°C					
RATED		DUIT	CIRCUIT LOAD (A	() N	MINIMUM		MAXIMUM	EST.	VC	LTAGE	Т	DTAL
		101 101 10			OCPD		OCPD PER	DISTAN				/.D.
(A)				TT) P	(the second	DEF	(all second s	FT		%VD	%V	DCUM
									s	EE DC	VD	ROP
					100 million (100 million)				0	18%	0	18%
B35 2		.4	794.00		800		800	400		38%		55%
		15V(II)         0X         US-480         CHGEAR         SWITCH         CE PANE         ALUE       V-L-L VOLTS E         76.59       480         76.59       480         76.59       480         76.59       480         76.59       480         76.59       480         76.59       480         76.59       480         76.59       480         76.59       480         76.59       480         76.59       480         76.59       480         76.59       480         76.59       480         76.75       675         675       675         70Itage Usin       0         50wer:       0         21.7.4       13	15V(II)         DX         JS-480         CHGEAR         WITCH         CE PANEL         ALUE       L-L VOLTS       CIRCUIT LENGTP         76.59       480       10         76.59       480       400         4.00       480       25         E DROP       Wire Length One Way         675       675         675       675         675       675         675       675         675       675         675       675         675       675         675       675         70ltage Using -0.25         Yoltage Using 1.14       13.8         TACITY       LOAD (A)         (A)       12         31.9       13.8         17.4       13.8	DX         W           JS-480         W           CHGEAR         W           SWITCH         CE PANEL           ALUE         L-L VOLTS         CIRCUIT LENGTH         LOAD POWER FACTOR (pf)           76.59         480         10         0.97           76.59         480         400         0.97           4.00         480         25         0.97           E         DROP         Total Ohn         675           Wire Length One Way         Total Ohn         675         1.674           675         1.674         675         1.674           675         1.674         675         1.674           675         1.674         675         1.674           675         1.674         675         1.674           70tage Using -0.25%/°C temp. factor of 66000 VA         480 V         79.4 A           Swer:         66000 VA         480 V         79.4 A           43.1 Vdc         36.2 Vdc         13.8 A         13.12 A           43.1 Vdc         36.2 Vdc         13.8 A         13.12 A           CRATED         CIRCUT         CIRCUT LOAD (A)         (156%DC, 125%A           (A)         13.8 17.25	15V(II)       TI         0X       JS-480       W/ INT         CHGEAR       800         SWITCH       4000         ALUE       L-L       CIRCUT       LOAD         ALUE       L-L       CIRCUT       LOAD       CRCUT         AB0       10       0.97       635.2         76.59       480       10       0.97       635.2         76.59       480       25       0.97       79.4         E       DROP       Total Ohms       1.674         G75       1.674       1.674       1.674         G75       1.674       0.75       1.674         G75       1.674       0.75       1.674         G01dage       Using       0.25%/°C temp. factor of m	15V(II)       TRINA S         0X       NEM         JS-480       W/ INTEGRA         CHGEAR       800A BU         SWITCH       800A, 3¢, 4W         CE PANEL       4000A BU         ALUE       L-L         VOLTS       LBNGTH         POWER       CRCUT         CASS       0.000         ALUE       L-L         VOLTS       LBNGTH         POWER       CRCUT         CASS       0.0002         ALUE       VOLTS         LBNGTH       LOAD         POWER       0.0002         RESISTA       R         76.59       480         400       0.97         653       0.0002         ALUE       VOLTS         CHROP       Total Ohms         675       1.674         675       1.674         675       1.674         675       1.674         675       1.674         675       1.674         675       1.674         675       1.674         675       1.674         66000 VA       CEC E         SUR	15V(II)         TRINA SOL           0X         NEMA 3           JS-480         CPS 1 W/ INTEGRATE CHGEAR           800A BUSB/ 480Y/27           WITCH         800A, NO 3\$\overline, 4W, VI           CE PANEL         40000A BUSB/ 480Y/27           ALUE         CIRCUT E         LOAD E         CRCUT FACTOR (pf)         CRCUT CONDUCTOR ALUE           ALUE         CIRCUT E         LOAD E         CRCUT FACTOR (pf)         CONDUCTOR ABUSE/ CONDUCTOR ALUE           ALUE         CIRCUT E         CIRCUT E         CONDUCTOR FACTOR (pf)         CRCUT CONDUCTOR ABUSE/ ABU	15V(II)         TRINA SOLAR 475W           0X         NEMA 3R JUNCT           JS-480         CPS 60KW INV W/ INTEGRATED DC & A           CHGEAR         800A BUSBAR, 800A 480Y/277V, 3¢, 44           WITCH         3¢, 4W, VIEWABLE           CE PANEL         4000A BUSBAR, 4000A 480Y/277V, 3¢, 44           ALUE         CRCUT           VOTS         CRCUT           Load         CRCUT           ALUE         CRCUT           Load         CRCUT           ALUE         CRCUT           VOTS         CRCUT           ALUE         CRCUT           VOTS         CRCUT           ALUE         CRCUT           VOTS         CRCUT           ALUE         CRCUT           VOT         CRCUT           ALUE         CRCUT           VOT         CRCUT           ALUE         CRCUT           VOT         CRCUT           ALUE         CRCUT           VOT         CAS2           VIT         CRCUT           VIT         CAS2           VIT         CAS2           VIT         CAS2           VIT         CAS2	15V(II)         TRINA SOLAR 475W PV M           0X         NEMA 3R JUNCTION E           JS-480         CPS 60KW INVERTE W/ INTEGRATED DC & AC DIS           CHGEAR         800A BUSBAR, 800A DISCC 480Y/277V, 3¢, 4W, 42P           WITCH         800A, NONFUSED, 480Y, 3¢, 4W, VIEWABLE, LOCP           CE PANEL         4000A BUSBAR, 4000A DISC 480Y/277V, 3¢, 4W, 72P           ALLE         CROTT         COAD FACTOR (pf)         CROTT         CONDUCTOR RESULTANCE         CONDUCTOR RESULTANCE           ALLE         VIEWABLE, LOCP         40000A BUSBAR, 4000A DISC 480Y/277V, 3¢, 4W, 72P           ALLE         CROTT         COAD FASSI 0.00045         0.00045         0.00045           ALLE         VIEWABLE, LOCP         COCUNCTOR RESULTANCE         CONDUCTOR RESULTANCE         CONDUCTOR RESULTANCE           ALLE         VIEWABLE, LOCP         CAD         Resultance         Rational (Conductor)           ALLE         VIEWABLE, LOCP         CAD         Resultance         Rational (Conductor)           Make Y25         0.97         6352         0.00045         0.00045         0.00045           Mire Length One Way         Total Ohms         Enkit         VD         A           G675         1.674         23.101         CEC Efficiency: Ambient Temperature: -30° (Deerating Voltage: -30° (D	15V(II)         TRINA SOLAR 475W PV MODU           15X         NEMA 3R JUNCTION BOX           UX         NEMA 3R JUNCTION BOX           JS-480         CPS 60KW INVERTER W/ INTEGRATED DC & AC DISCONNE 480Y/277V, 3¢, 4W, 42KAIC           CHGEAR         800A BUSBAR, 800A DISCONNE 480Y/277V, 3¢, 4W, 42KAIC           WITCH         800A, NONFUSED, 480Y/277V 3¢, 4W, VIEWABLE, LOCKABL           CE PANEL         4000A BUSBAR, 4000A DISCONN 480Y/277V, 3¢, 4W, 72KAIC           ALUE         VCTS         LENGTH           PADEL         4000A BUSBAR, 4000A DISCONN 480Y/277V, 3¢, 4W, 72KAIC           ALUE         VCTS         LENGTH           PADE         4000A BUSBAR, 4000A DISCONN 480Y/277V, 3¢, 4W, 72KAIC           ALUE         VCTS         LENGTH           PADE         4000A BUSBAR, 4000A DISCONN 480Y/277V, 3¢, 4W, 72KAIC           ALUE         VCTS         LENGTH           PADE         CACOME         CANDUCTOR RESISTANCE           RATED         0.97         6352         0.000045         0.048         0.96           75.         1.674         23.101         2         2         0.461         0.68           E DROP         Wre Length One Way         Total Ohms         E=MR< VD	15V(II)         TRINA SOLAR 475W PV MODULE           IX         NEMA 3R JUNCTION BOX           JS-480         CPS 60KW INVERTER W/ INTEGRATED DC & AC DISCONNECT, 480Y/277V, 3\$, 4W, 42KAIC           CHGEAR         800A BUSBAR, 800A DISCONNECT, 480Y/277V, 3\$, 4W, 42KAIC           WITCH         800A, NONFUSED, 480Y/277V, 3\$, 4W, VIEWABLE, LOCKABLE           CE PANEL         4000A BUSBAR, 4000A DISCONNECT 480Y/277V, 3\$, 4W, 72KAIC           ALLE         L-L VITCH         6000 A BUSBAR, 4000A DISCONNECT 480Y/277V, 3\$, 4W, 72KAIC           ALLE         L-L VOLTA         00004 CORCUT CONDUTOR PACTOR (p)         CONDUTOR CONDUTOR           ALLE         VOLTA         ESSTANCE         r           ALLE         VOLTA         0.00045         0.00045         0.048         0.95         697           AG0         480         25         0.97         79.4         0.000051         1.819         0.35         2433           4.00         480         25         0.97         79.4         0.000051         0.481         0.688         1662           E DROP         MWE Length One Way         Total Ohms         E=MR         VD         %/D           675         1.674         23.101         2.770%         2.624%           675         1.674	15V(II)         TRINA SOLAR 475W PV MODULE           IVX         NEMA 3R JUNCTION BOX           JS-480         CPS 60KW INVERTER W/ INTEGRATED DC & AC DISCONNECTS, 480Y/277V, 3¢, 4W, 42KAIC           CHGEAR         800A BUSBAR, 800A DISCONNECT, 480Y/277V, 3¢, 4W, 42KAIC           WITCH         800A, NONFUSED, 480Y/277V, 3¢, 4W, VIEWABLE, LOCKABLE           CE PANEL         4000A BUSBAR, 4000A DISCONNECT, 480Y/277V, 3¢, 4W, 72KAIC           ALLE         VITCH           Soloan         CORCUT           PANEL         CORCUT           ALLE         CORCUT           VOIT CH         Soloan           Soloan         CONDUCTOR           CAR         CONDUCTOR           ALLE         CAR           VITCH         Soloan           Soloan         CONDUCTOR           CONDUCTOR         CONDUCTOR           VITCH         Soloan           ALLE         VOIT           Voit Soloan         Soloan           VITCH         Soloan           ALLE         VITCH           VITCH         Soloan           VITCH         Soloan           VITCH         Soloan           Soloan         Soloan           VITCH         Soloan

 794.00
 800
 800
 400
 1.38%
 1.55%

 794.00
 800
 800
 10
 0.03%
 1.59%

ARCH D (24" X 36") PRINT PAPER SIZE NO. DATE DESCRIPTION ELECT. STRUC. 7/27/2021 INITIAL PLAN SET AI 8/18/2021 1ST REVISIONS A.L. 9/1/2021 1ST CORRECTIONS A.L 9/9/2021 2ND REVISIONS A.L. \_\_\_\_ \_\_\_\_\_

5220 INDUSTRIAL WAY

COACHELLA, CA 92236

SYSTEM INFO:

TOTAL SYSTEM SIZE: DC STC: 2373.10 KW TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW SOLAR MODULES: (4996) TRINA TSM-475DE15V(II) INVERTER(S): (31) CPS SCA60TL-D0/US-480 SYSTEM (PLANT) 1:

SYSTEM SIZE DC STC: 630.80 KW SYSTEM SIZE AC CEC: 581.05 KW SOLAR MODULES: (1328) TRINA TSM-475DE15V(II) INVERTER(S): (8) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 2:

SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 898.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 3:

SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-D0/US-480

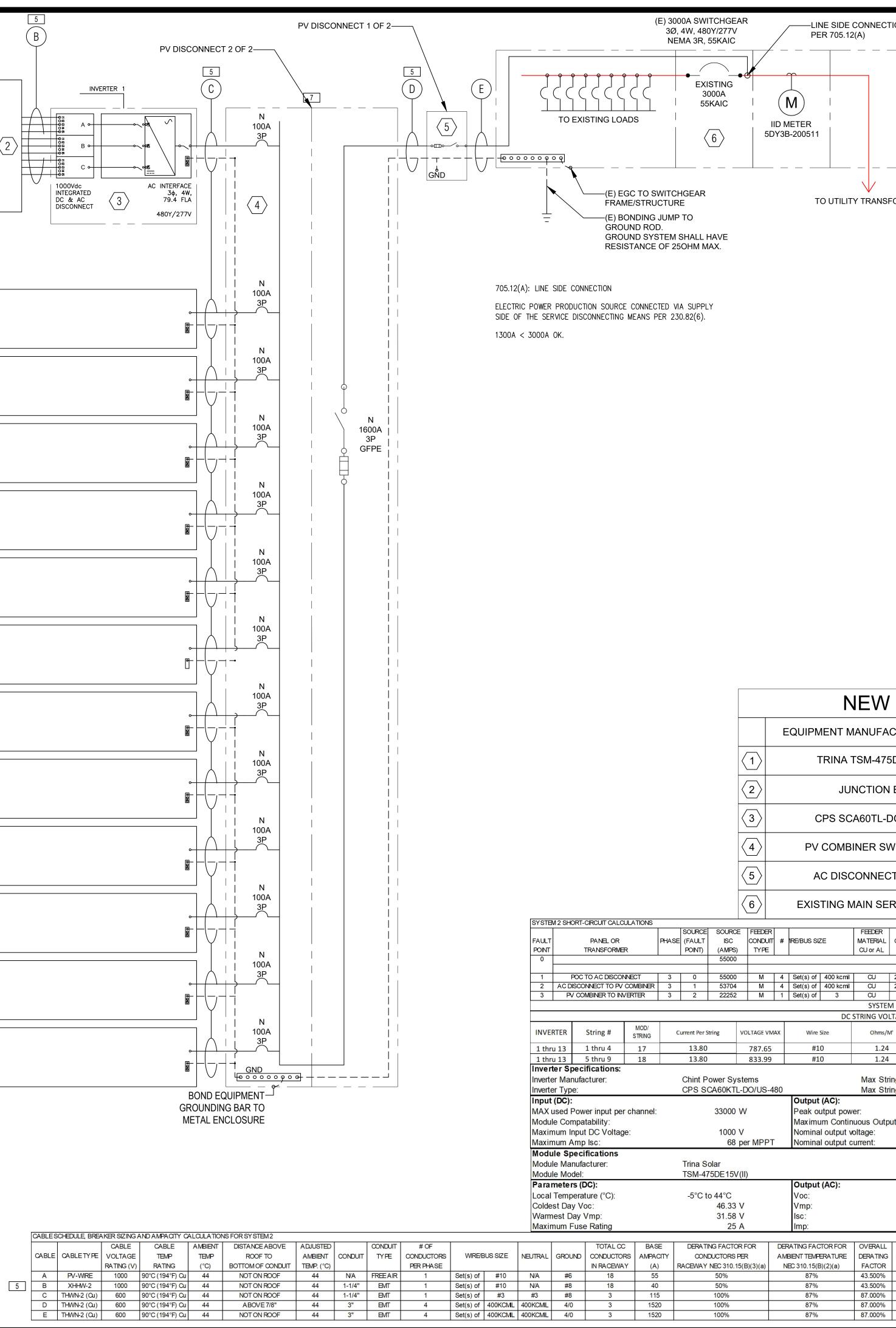
**DESCRIPTION:** 

## SYSTEM 1 SLD

**PV 4.0** 

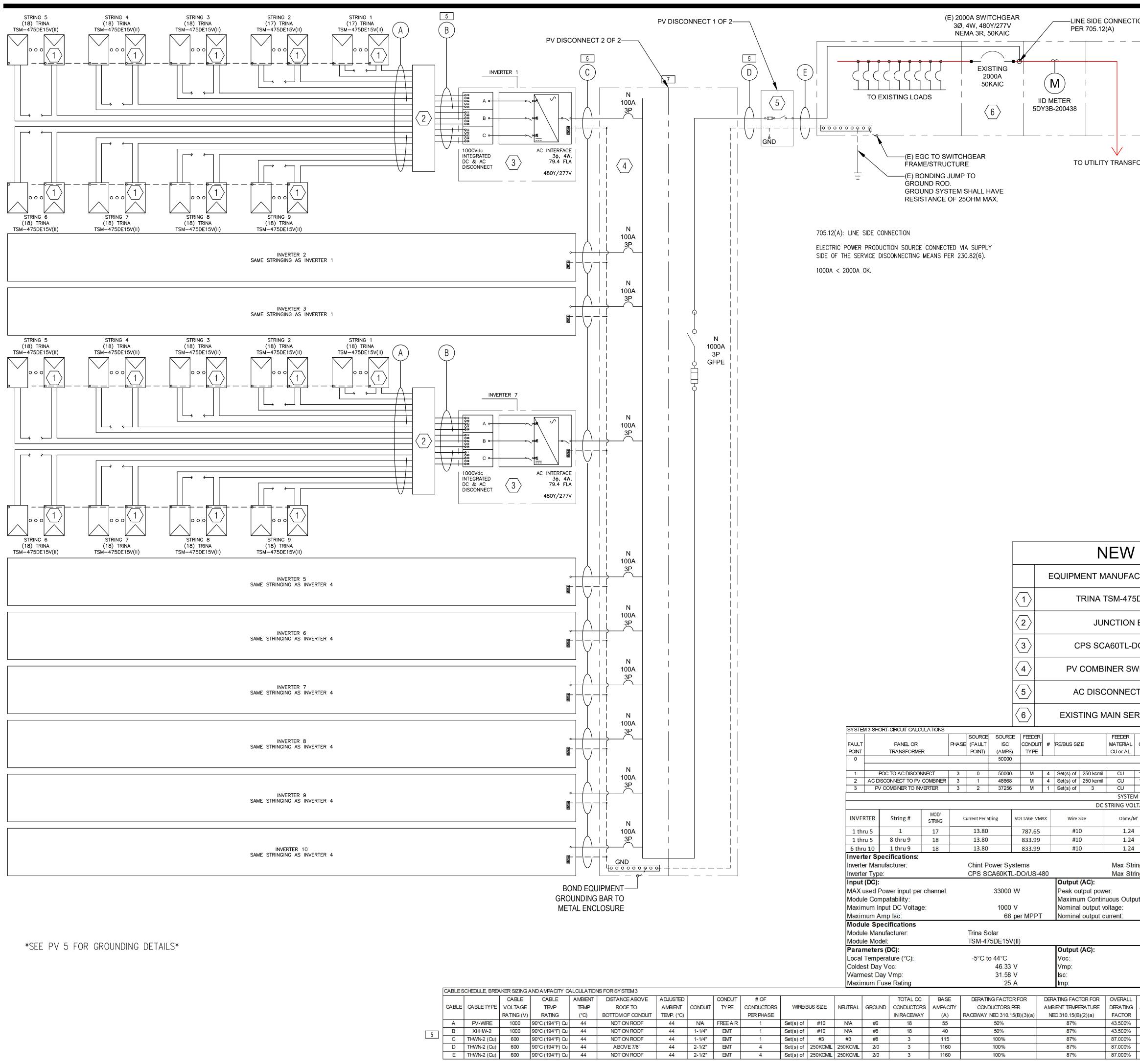
STRING 5 (18) TRINA TSM-475DE15V(II)	STRING 4 (17) TRINA TSM-475DE15V(II)	STRING 3 (17) TRINA TSM-475DE15V(II)	STRING 2 (17) TRINA TSM-475DE15V(II) TSM-475D
STRING 6 (18) TRINA TSM-475DE15V(II)	STRING 7 (18) TRINA TSM-475DE15V(II)	STRING 8 (18) TRINA TSM-475DE15V(II)	AC IN INTEGRATED DC & AC DISCONNECT 4E INTEGRATED C & AC DISCONNECT 4E
			INVERTER 2 SAME STRINGING AS INVERTER 1 INVERTER 3 SAME STRINGING AS INVERTER 1 INVERTER 4
			SAME STRINGING AS INVERTER 1
			SAME STRINGING AS INVERTER 1
			SAME STRINGING AS INVERTER 1 INVERTER 9 SAME STRINGING AS INVERTER 1
			INVERTER 10 SAME STRINGING AS INVERTER 1 INVERTER 11 SAME STRINGING AS INVERTER 1
			INVERTER 12 SAME STRINGING AS INVERTER 1 INVERTER 13 SAME STRINGING AS INVERTER 1

\*SEE PV 5 FOR GROUNDING DETAILS\*

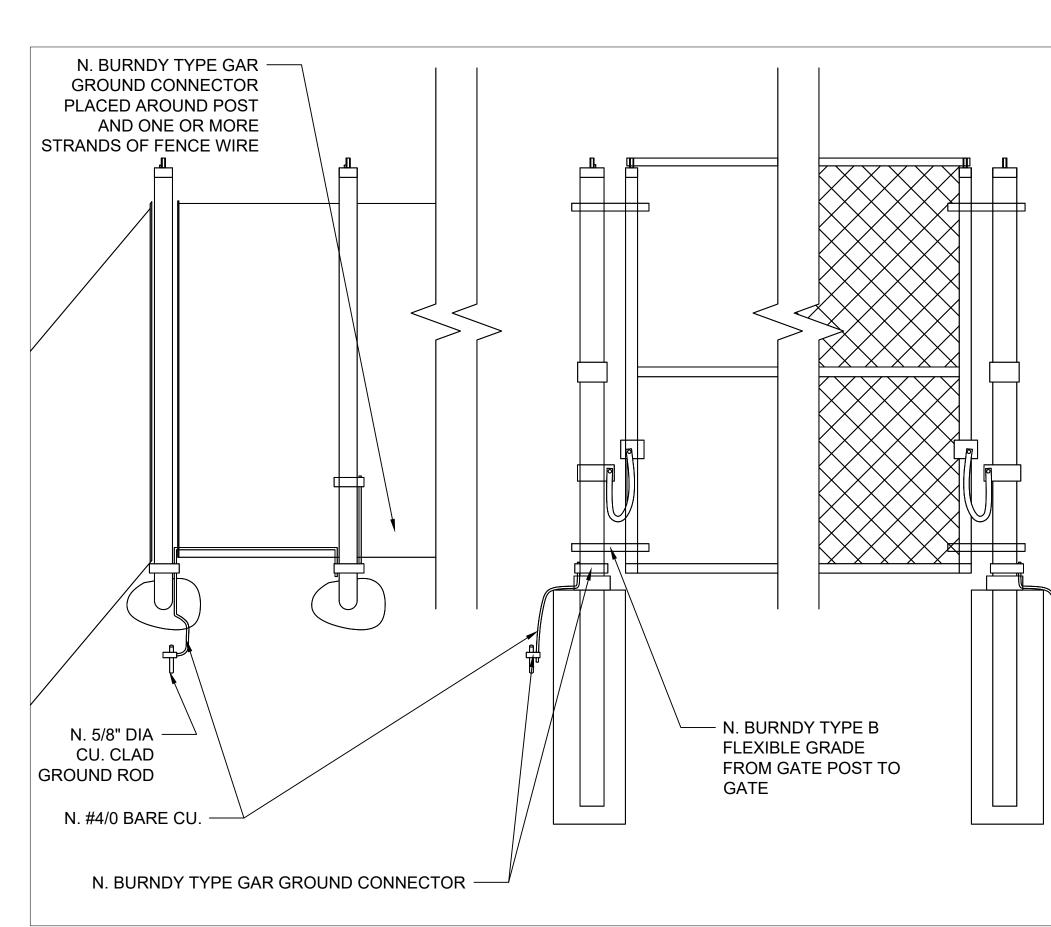


ION 6	E	ຊຸບ	IPM	ΞΝΤ	NOTE	S							
	1	CONN CONN	ECTORS FOR	R MODULE IN	UDE #12 AWG OUNTERCONNECTION.	DO NOT R	EMOVE THE QUIC						
	2	#6 A THE INSTA	NG BARE CO RACKING. US	E MODULE UIREMENTS.	IND WILL BE USEI GROUNDING METH THE MODULE EQ CABINET.	ODS PER M	IANUFACTURERS	FOR		С	ONTRA	АСТО	R
ORMER	3	INVER ANTI- UL17 SYSTE EXIST MEAN	TERS NEMA ISLANDING F 41 LISTING I 2M AND TES 1NG FACILITY 5, FUSED AT	3R RATED N PROTECTION NCLUDES CO REQUIREM GROUND. II 20A PER	WITH UL 1741-SA FEATURES WITH C OMPLIANCE WITH I ENTS AND THE NA VVERTER HAS INTI POLE. INVERTER IS	CA RULE 21 EEE1547 F ATIONAL ELE ERNAL DC S U.L. LIST	COMPLIANCE. OR INTERCONNEC ECTRIC CODE. TIE DISCONNECTION ED AS A UNIT. L	TION D TO JNIT		RI	EVEL-ENE 2323 MA IRVINE, C	IN ST.	
		MEETS		22 REQUIR	PPROVED GROUNE EMENTS FOR EQUI ETAILS.				CS	SLB #	: 1038433	/ A, B, C	
	4	SUPP 250.5 EXCE RESIS	LEMENTED B 2(A)(2) THR PTION, IF A	Y AN ADDIT OUGH (A)(8 SINGLE ROD ARTH OF 25	NGLE ROD, PIPE ( ONAL ELECTRODE ) SPACED NO LES , PIPE OR PLATE 5 OHMS OR LESS,	OF TYPE S SS THAN 61 GROUNDIN	SPECIFIED IN FT APART. G ELECTRODE HA	S A	THESE ORDIN OMISS WORK	E PLANS IS IANCES OF GIONS OR E PERFORM	(949) 28 THAT THE WORK PI IN CONFORMANCE W THE AHJ OF CITY OF RRORS ARE DISCOVE IED WILL BE REQUIRE S OF THE AHJ OF CIT	ROPOSED TO BI ITH ALL CODES COACHELLA AN RED, I UNDERS D TO COMPLY V	AND ID FURTHER, IF TAND THAT THE VITH THE CODES
	5				IS TO BE SCH40				1	BUILDING I	NSPECTION.		E LICENSE NO.
	6	MECH	ANICAL/ELE	CTRICAL CH	XISTING MAIN SW <sup>-</sup> ARACTERISTICS RE THE SWITCHGEAR	QUIRES A		Ē				103843	3 / A, B, C10, C46
	7	GROU	ND FAULT P	ROTECTION	WILL BE PROVIDEI	D PER 230.	95.				PROFESS PROFES	10 AVELENGINE	
										522 CO	PROJECT LO ODSPUR 20 INDUST ACHELLA	FARMS RIAL V	VAY
									ARCH	D (24" X 36" DATE 7/27/2021	) PRINT PAPER SIZE DESCRIPTION INITIAL PLAN SET	I ELECT.	STRUC.
										8/18/2021 9/1/2021	1ST REVISIONS 1ST CORRECTIONS	A.L. A.L.	
FOI	IIPI			SC HI	EDULE					9/9/2021	2ND REVISIONS	A.L.	
							N						
DE15V(II	l)			TRINA S	SOLAR 475W	/ PV MO	DULE						
BOX				NEN	IA 3R JUNC	FION BC	X						
O/US-48	80		W/ I		PS 60KW INV ATED DC & A								
/ITCHGE	AR		16		SBAR, 1600A ⁄/277V, 3φ, 4					EM INFO:			
T SWITC	н		Зф	•	1600A FUSES WABLE, LOO	•	•		TOTAL	SYSTEM S	IZE: DC STC: 2373.10 IZE: AC CEC: 2185.93 (4996) TRINA TSM–4	KW	
RVICE P/	ANEL		30		SBAR, 3000A ⁄/277V, 3థ, 4\				INVER		) CPS SCA60TL-D0/U		
CVALUE	L-L CIRC DLTS LENC E L	GTH FAC	OWER LC CTOR (pf)	AD RESISTA	TOR CONDUCTOR NCE REACTANCE X 35 0.000035	I	55000	AULT DINT 0	SYSTE SOLAF	M SIZE AC MODULES:	STC: 630.80 KW CEC: 581.05 KW (1328) TRINA TSM-4 CPS SCA60TL-D0/US		
20565.77 4	480 60 480 15	0	0.97 103	32.2         0.0000           32.2         0.0000           0.4         0.0002	35 0.000049	1.413 0	.41         22252           .80         17769	2 3		M (PLANT)			
TAGE DROP	ength One W	/ay	Total Ohms		E=IxR VD		%VD		SYSTE SOLAF	M SIZE AC MODULES:	STC: 975.65 KW CEC: 898.70 KW (2054) TRINA TSM-4		
	615 615		1.525 1.525		21.048 21.048		2.672% 2.524%				) CPS SCA60TL-DO/U	S-480	
			temp. facto b. factor of n						SYSTE		s: STC: 766.65 KW CEC: 706.18 KW		
t Power:		66000 60000 480 79.4	VA V	Ambier Operati	fficiency: ht Temperature: ng Voltage: perating Current:	480V-3	98.5 % to +60°C 3Phase 3Phase		SOLAF INVER	MODULES:	(1614) TRINA TSM-4 ) CPS SCA60TL-DO/U		
										Ş	SYSTEN	1 2 SL	D
							475 W 444.2 W 1500 V -0.25 %/°C						
DERATED AMPACITY (A) 23.9 17.4 100.1	CIRCUIT LOAD (A) 13.8 13.8 79.4	(156% 125%OF	IT LOAD (A) DC, 125%AC T, 100%BATT) 17.25 17.25 99.25	MINIMUM OCPD PER LOAD 20 20 100	MAXIMUM OCPD PER DERATED CABLE 20 20 100	EST. DISTANCE FT 500 115 15	VOLTAGE TOT/ DROP V.E %VD %VD 0 SEE DC VDRO 0.11% 0.11	D. CUM DP			V	4	.1
1322.4 1322.4	1032.2 1032.2	1	290.25 290.25	1600 1600	1200 1200	600 10	1.96%         2.06           0.03%         2.10	%					

ltem 2.



														Item 2.
ON 6	E	QUI	PME	ENT	NOTE	S								
	1	CONNE	CTORS FOR CTS, OTHER	MODULE IN	JDE #12 AWG O TERCONNECTION. ODULE WARRANT	DO NOT F	REMOVE THE	•						
	2	THE RA	ACKING. USI _ATION REQI	E MODULE G	ND WILL BE USE ROUNDING METH THE MODULE EG CABINET.	IODS PER	MANUFACTU	RERS		C	ONTRA		R	
ORMER	3	ANTI-IS UL1741 SYSTEM EXISTIN MEANS, IS EQU MEETS ATTACH PER NE	SLANDING P I LISTING IN I AND TEST IG FACILITY FUSED AT IPPED WITH NEC 250.1 IED CUTSHE EC 250.53(	ROTECTION F NCLUDES CO REQUIREME GROUND. IN 20A PER P UL1741 AP 22 REQUIRE ETS FOR DE A)(2), A SIN	GLE ROD, PIPE	CA RULE 2 IEEE1547 F ATIONAL EL 'ERNAL DC IS U.L. LIS' D FAULT DI IIPMENT GR OR PLATE	1 COMPLIAI FOR INTERC ECTRIC COI DISCONNEC TED AS A U ETECTION D OUNDING.	NCE. ONNECTION DE. TIED TO TION JNIT. UNIT EVICE THAT NOTE: SEE SHALL BE	REVEL-ENERGY, INC. 2323 MAIN ST. IRVINE, CA 92614 CSLB #: 1038433 / A, B, C10, C40 (949) 281-7171					
		250.52 EXCEPT RESIST/	(A)(2) THR( TON, IF A S	OUGH (A)(8) SINGLE ROD, ARTH OF 25	DNAL ELECTRODE SPACED NO LE PIPE OR PLATE OHMS OR LESS	SS THAN 6 GROUNDIN	SFT APART. NG ELECTRO	DE HAS A	THESI ORDIN OMISS WORK	e plans is Nances of Sions or e ( perform Ordinance	THAT THE WORK PE IN CONFORMANCE WI THE AHJ OF CITY OF ( RRORS ARE DISCOVE ED WILL BE REQUIRED S OF THE AHJ OF CITY NSPECTION.	TH ALL CODES A COACHELLA ANI RED, I UNDERST D TO COMPLY W	AND D FURTHEF TAND THAT TTH THE CO	R, IF THE ODES
	5	ANY AL MECHAI	LTERATIONS NICAL/ELEC	TO THE EX TRICAL CHA	IS TO BE SCH40 ISTING MAIN SWI RACTERISTICS R THE SWITCHGEAR	TCHGEAR'S EQUIRES A	THIRD PAR	TY SITE			DATE		E LICENSE B / A, B, C	
										522	PROJECT LO ODSPUR O INDUST ACHELLA	FARMS RIAL W	/AY	
												, CA 92.	230	
									NO.	D (24" X 36" DATE 7/27/2021	) PRINT PAPER SIZE           DESCRIPTION           INITIAL PLAN SET	A.L.	STRI	UC.
										8/18/2021 9/1/2021	1ST REVISIONS 1ST CORRECTIONS	A.L.		
EQ	UIPI		NT S	SCHE	EDULE					9/9/2021	2ND REVISIONS	A.L.		
TUREF	R/MODE	EL		EQUI	PMENT DES	SCRIPTI	ON							
)E15V(	II)			TRINA S	OLAR 475V	V PV MC	DULE							
SOX				NEM	A 3R JUNC	TION BO	XC		<u> </u>					
)/US-48	80		W/ II	_	S 60KW IN TED DC & A			TS	<u> </u>					
TCHGI	EAR		12		BAR, 1000/ /277V, 3 <mark>¢</mark> , 4			,						
SWIT	СН		Зф,	,	000A FUSE WABLE, LO			С		EM INFO:	IZE, DO STO, 2373.10		- I	
VICE P	ANEL		• *	000A BUS	SBAR, 2000/ /277V, 3ф, 4	A DISCO	ONNECT		TOTAL	SYSTEM S R MODULES:	IZE: DC STC: 2373.10 IZE: AC CEC: 2185.93 (4996) TRINA TSM-4 ) CPS SCA60TL-DO/U	KW 75DE15V(II)		
6483.39	L-L CIRC /OLTS LEN E L 480 1	GTH PO _ FACT	DAD CIRC DWER LO. TOR (pf) A 0.97 100	AD RESISTAN	TOR CONDUCTOR NCE REACTANCE X 54 0.000054	f	FAU CURR M ISO 500 0.97 486	ENT FAULT C POINT 00 0	SYSTE SYSTE SOLAF	EM SIZE AC R MODULES:	1: STC: 630.80 KW CEC: 581.05 KW (1328) TRINA TSM-47 CPS SCA60TL-D0/US			
6483.39 4774.00 3	480 11 480 2		).97 100 ).97 79				0.77 372 0.59 218					100		
AGE DROP	Length One V	Vay	Total Ohms		E=IxR VD		%VD		SYSTE SYSTE	EM SIZE AC	STC: 975.65 KW CEC: 898.70 KW			
	665 665		1.649 1.649		22.759 22.759		2.889% 2.729%				(2054) TRINA TSM-4 ) CPS SCA60TL-DO/U			
	-			r of module			2.729%			EM (PLANT)				
g Voltage Power:	Using 1.	14 temp. 66000 \ 60000 \ 480 \ 79.4 /	VA VA V	Ambient Operatir	4.5V iciency: t Temperature: ng Voltage: erating Current:	480V-	98.5 % to +60°C 3Phase -3Phase		SYSTE SOLAF INVER	EM SIZE AC R MODULES: TER(S): (10 CRIPTIC		S-480	<b>D</b>	
		43.1 36.2 13.8 13.12	Vdc A	-			475 W 444.2 W 1500 V -0.25 %/	°C			SYSTEM			
DERATED AMPACITY	CIRCUIT LOAD (A)	(156%D0	LOAD (A) C, 125%AC	MINIMUM OCPD	MAXIMUM OCPD PER	EST. DISTANCE	VOLTAGE DROP	TOTAL V.D.						
(A) 23.9 17.4	13.8 13.8	1	100%BATT) 7.25 7.25	PER LOAD 20 20	DERATED CABLE 20 20	FT 215 450	%VD - SEE DO	%VDCUM			$\mathbf{V}$ ,	4.		
100.1 1009.2 1009.2	79.4 794.0 794.0	99 99	9.25 92.50	100 1000 1000	100 1000 1000	25 115 10	0.18%	0.18% 0.62% 0.66%						



### FENCE NOTES:

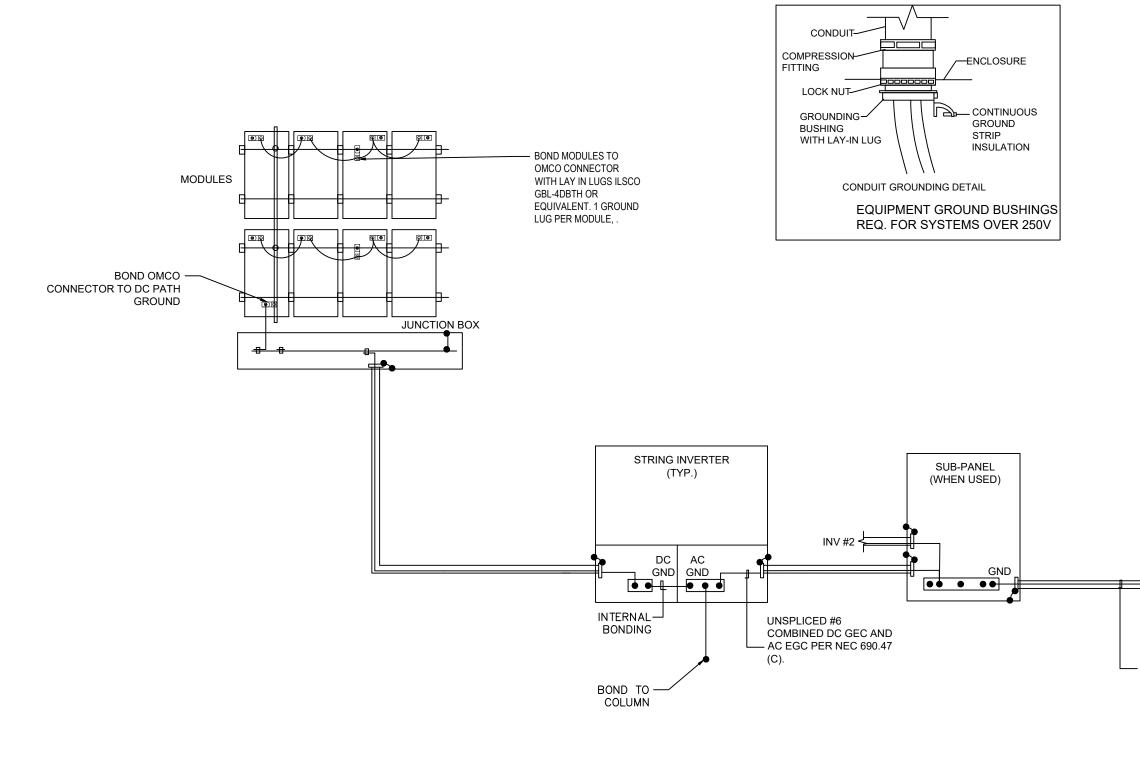
BONDING JUMPERS ARE REQUIRED AT EACH FENCE CORNER AND AT MAXIMUM 160 FT. INTERVALS ALONG THE FENCE.
 BONDING JUMPERS ARE REQUIRED ON EACH SIDE OF THE CROSSING WHERE BARE OVERHEAD CONDUCTORS CROSS THE FENCE.

3. GATES MUST BE BONDED TO THE GATE SUPPORT POST, AND EACH GATE SUPPORT POST MUST BE BONDED TO THE GROUNDING ELECTRODE SYSTEM.

4. ANY GATE OR OTHER OPENING IN THE FENCE MUST BE BONDED ACROSS THE OPENING BY A BURIED BONDING JUMPER.

5. THE GROUNDING GRID OR GROUNDING ELECTRODE SYSTEMS SHALL BE EXTENDED TO COVER THE SWING OF ALL GATES.

6. THE BARBED WIRE STRANDS ABOVE THE FENCE MUST BE BONDED TO THE GROUNDING ELECTRODE SYSTEM.

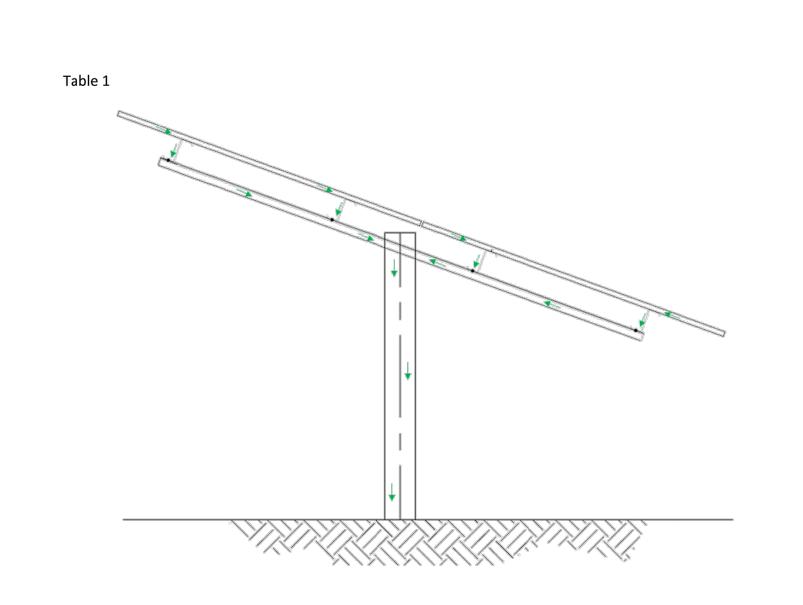


### **BONDING PATH**

OMCO Solar's CHOICE™ Racking System may be used to ground and/or mount a PV Module complying with UL 1703 only when the specific Module has been evaluated for grounding and/or mounting in compliance with the included instructions.

It is the Owner's responsibility to ensure that the CHOICE™ Racking System installation complies with NFPA 70 Article 250.

Table 1 illustrates the grounding path.

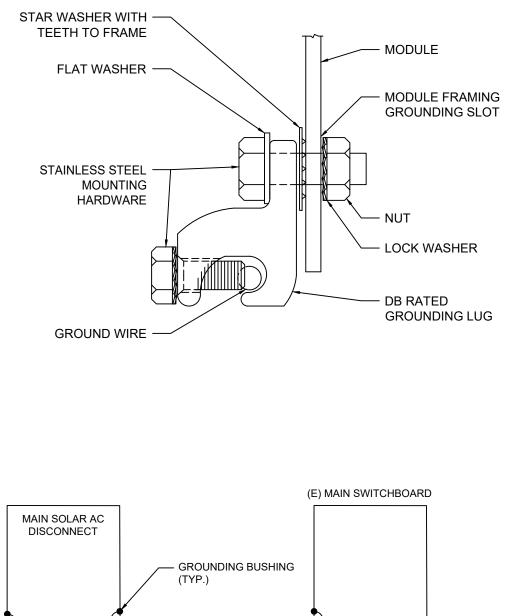


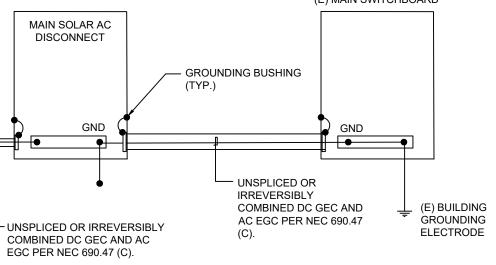
OMCO Solar | OIM-200 Version 8 | CHOICE™ INSTALLATION MANUAL

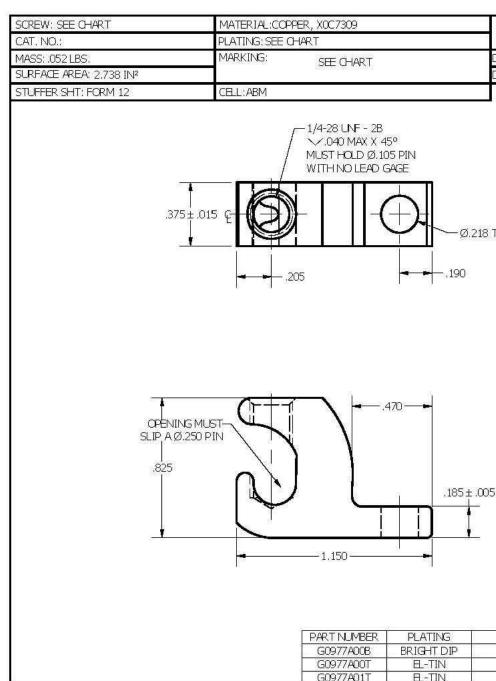
23

OMCO Solar | OIM-200 Vers

### OSS THE FENCE. HE GROUNDING ELECTRODE SYSTEM. MPER. \_ GATES.







THE INFORMATION CONTAINED WITHIN THIS DOCUMENT IS PROPRIETARY TO ILSCO AND

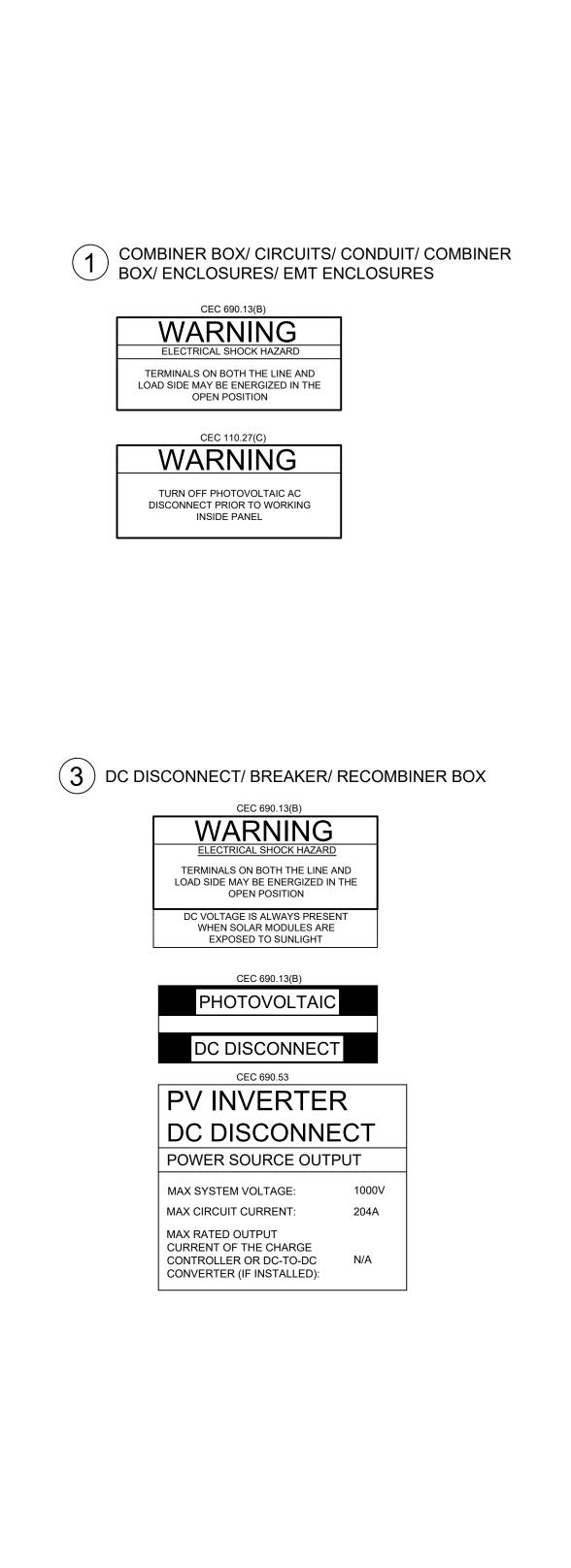
### **GROUNDING FOR JOBSITE WITHOUT DRIVEN POSTS**

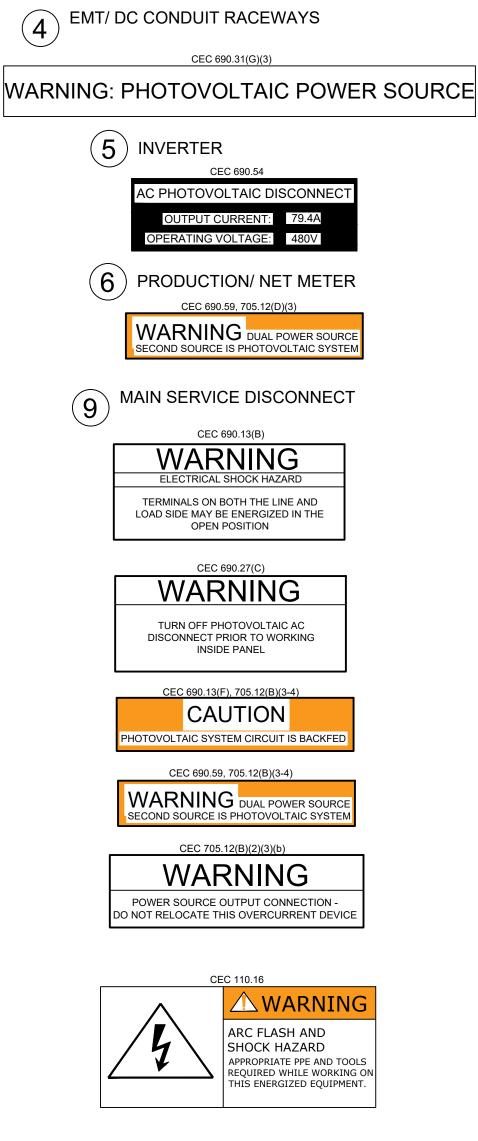
Jobsites with Posts driven For table assemblies on jo Racking System is needed.

- Copper ground lu
- 6AWG unjackete enough to span f rod)
- Copper ground c and wire)
- 10' ground rod, 5
   UL 467 approved

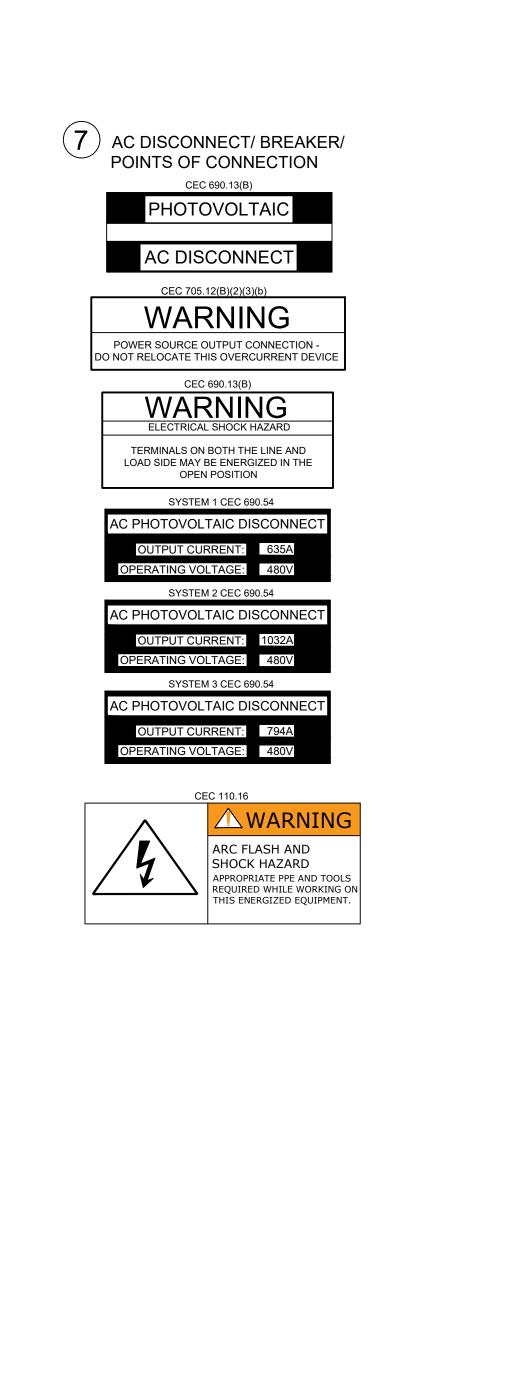
SITE WITHOUT DRIVEN POSTS						
10 feet into the ground do not require additional grounding measures (NEC 250.52). bsites without suitably driven posts, an alternate means of grounding the CHOICE™ One recommended method for grounding the CHOICE™ Racking System is as follows:						
		C	ONTRA	СТО	R	
g (UL listed, sized to fit 6AWG)		R	EVEL-ENE	RGY. IN	C.	
ed braided copper wire (long rom table assemblies to ground	REVEL-ENERGY, INC. 2323 MAIN ST. IRVINE, CA 92614 CSLB #: 1038433 / A, B, C10, C46					
lamp (UL listed, sized to for rod	THESE	E PLANS IS IANCES OF	(949) 28 THAT THE WORK PE IN CONFORMANCE W THE AHJ OF CITY OF	ROPOSED TO BE TH ALL CODES COACHELLA AN	AND D FURTHER, IF	
/8" diameter (copper-clad steel,	WORK AND C FINAL	E PERFORM RDINANCE BUILDING I	RRORS ARE DISCOVE IED WILL BE REQUIRE IS OF THE AHJ OF CIT NSPECTION.	D TO COMPLY W Y OF COACHELL	/ITH THE CODES A PRIOR TO	
	SIGNA	TURE	DATE		E LICENSE NO. 3 / A, B, C10, C4	
sion 8] CHOICE™ INSTALLATION MANUAL	ARCH NO.	522 CO	PROJECT LC ODSPUR 0 INDUST ACHELLA ) PRINT PAPER SIZE DESCRIPTION INITIAL PLAN SET 1ST REVISIONS 1ST CORRECTIONS 2ND REVISIONS	FARMS RIAL W , CA 92	/AY	
TOLER ANCES-UNLESS OTHER WISE SPECIFIED       DW/G. NO.         2 PL. DEC. ±.015       TRUE CL. ±.015         3 PL. DEC. ±.010       ANGLES ±1         DRAWIN BY: CLH       SCALE: 3:1         SHEET 1 OF 1       CORP.         DATE: 7/27/2007       SIZE: A         DESCRIPTION						
R <sub>o</sub>	SYST	EM INFO:				
Cat #: GBL-4DB GBL-4DBT	TOTAL SOLAR INVER SYSTE SYSTE	SYSTEM S MODULES: TER(S): (31 M (PLANT) M SIZE DC	STC: 630.80 KW	KW 75DE15V(II)		
SCALE 1.5.: 1	SOLAR INVER	8 MODULES: TER(S): (8)	CEC: 581.05 KW (1328) TRINA TSM-4 CPS SCA60TL-DO/US			
	SYSTE SYSTE SOLAR	M SIZE AC MODULES:	STC: 975.65 KW CEC: 898.70 KW (2054) TRINA TSM-4 ) CPS SCA60TL-DO/U			
	SYSTE SYSTE SOLAR	M SIZE AC MODULES:	3: STC: 766.65 KW CEC: 706.18 KW (1614) TRINA TSM-4 ) CPS SCA60TL-D0/U			
	DES	CRIPTIC	DN:			
SCREW       SCREW ASSY INSTRUCTIONS       MARKING         E1276       FLUSH TO TOP       Ø GBL-4DB, 4-14, CU, DB Ø G         E1276       FLUSH TO TOP       Ø GBL-4DBT, 4-14, CU, DB Ø G         E1469       SNUG TO BOTTOM       Ø GBL-4DBT, 4-14, CU, DB Ø G         MAY NOT BE DISCLOSED WITHOUT PRIOR WRITTEN CONSENT			GROUN	IDING		
		F	DV		5	

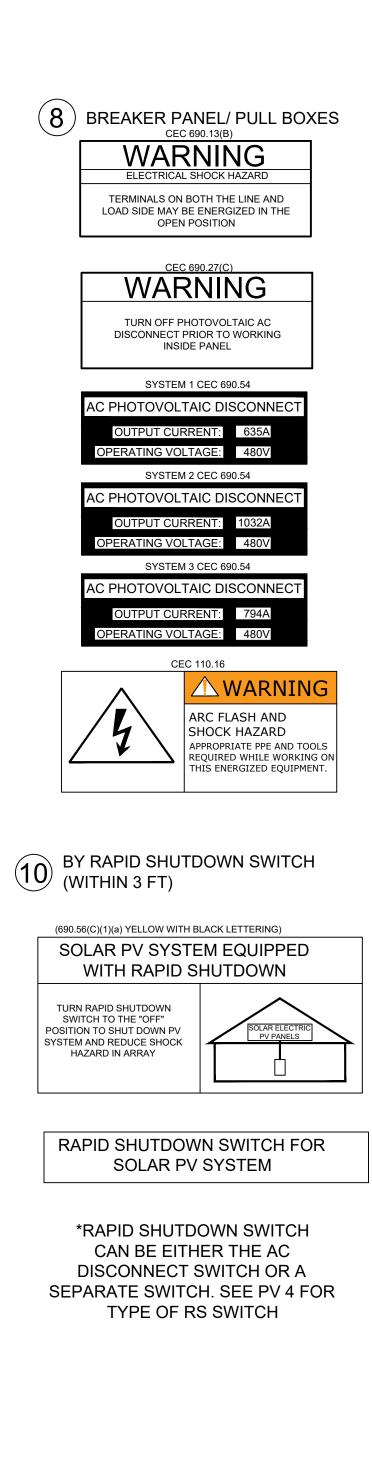
ltem 2.











## SIGNAGE REQUIREMENTS

## **GENERAL FIRE GUIDELINES &**

## MARKING REQTS:

SEC. 5. MARKINGS, LABELS, AND WARNING SIGNS. A. PURPOSE: PROVIDES EMERGENCY RESPONDERS WITH APPROPRIATE WARNING AND GUIDANCE WITH RESPECT TO ISOLATING THE SOLAR ELECTRICAL SYSTEM. THIS CAN FACILITATE IDENTIFYING ENERGIZED ELECTRICAL LINES THAT CONNECT THE SOLAR PANELS TO THE INVERTER, AS THESE SHOULD NOT BE CUT WHEN VENTING FOR SMOKE REMOVAL.

- B. MAIN SERVICE DISCONNECT:
- 1. RESIDENTIAL BUILDINGS: THE MARKING MAY BE PLACED WITHIN THE MAIN SERVICE DISCONNECT. THE MARKING SHALL BE PLACED ON THE OUTSIDE COVER IF THE MAIN SERVICE DISCONNECT IS OPERABLE WITH THE SERVICE PANEL CLOSED.
- 2. COMMERCIAL BUILDINGS: THE MARKING SHALL BE PLACED ADJACENT TO THE MAIN SERVICE DISCONNECT CLEARLY VISIBLE FROM THE LOCATION WHERE THE LEVER IS OPERATED.
- 3. MARKINGS: VERBIAGE, FORMAT, AND TYPE OF MATERIAL. A. VERBIAGE:
  - CAUTION: SOLAR ELECTRIC SYSTEM CONNECTED
  - B. FORMAT: (1) WHITE LETTERING ON A RED BACKGROUND.
  - 2) MINIMUM 3/8 INCHES LETTER HEIGHT.
  - (3) ALL LETTERS SHALL BE CAPITALIZED. (4) ARIAL OR SIMILAR FONT, NON-BOLD.
  - C. MATERIAL:
  - (1) REFLECTIVE, WEATHER RESISTANT MATERIAL SUITABLE FOR THE ENVIRONMENT (USE UL -- 969 AS STANDARD FOR WEATHER RATING). DURABLE ADHESIVE MATERIALS MEET THIS

REQUIREMENT.

MARKING REQUIREMENTS ON DC CONDUIT, RACEWAYS, ENCLOSURES, CABLE

- ASSEMBLIES, DC COMBINERS, AND JUNCTION BOXES: 1. MARKINGS: PLACEMENT, VERBIAGE, FORMAT, AND TYPE OF MATERIAL.
  - A. PLACEMENT: MARKINGS SHALL BE PLACED EVERY 10 FEET ON ALL INTERIOR AND EXTERIOR DC CONDUITS, RACEWAYS, ENCLOSURES, AND CABLE ASSEMBLIES, AT TURNS, ABOVE AND FOR BELOW PENETRATIONS, ALL DC COMBINERS, AND JUNCTION BOXES. B. VERBIAGE:
  - CAUTION: SOLAR CIRCUIT NOTE: THE FORMAT AND TYPE OF MATERIAL SHALL ADHERE
  - TO "V.B-3B, C" OF THIS REQUIREMENT. C. INVERTERS ARE NOT REQUIRED TO HAVE CAUTION MARKINGS.

MATERIALS USED FOR MARKING SHALL BE REFLECTIVE, WEATHER RESISTANT, AND SUITABLE FOR THE ENVIRONMENT. ALL LABELS SHALL BE WHITE LETTERS ON RED BACKGROUND.

THE MARKINGS SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. NEC 110.21

## CONTRACTOR

## **REVEL-ENERGY, INC.** 2323 MAIN ST. **IRVINE, CA 92614** CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171

I HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON THESE PLANS IS IN CONFORMANCE WITH ALL CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA AND FURTHER, IF OMISSIONS OR ERRORS ARE DISCOVERED, I UNDERSTAND THAT THE WORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA PRIOR TO FINAL BUILDING INSPECTION.

DATE

SIGNATURE

STATE LICENSE NO. 1038433 / A, B, C10, C46

ltem 2.

**PROJECT LOCATION:** WOODSPUR FARMS PV 5220 INDUSTRIAL WAY COACHELLA, CA 92236

	D (24" X 36")	PRINT PAPER SIZE	1	1
NO.	DATE	DESCRIPTION	ELECT.	STRUC.
	7/27/2021	INITIAL PLAN SET	A.L.	
	8/18/2021	1ST REVISIONS	A.L.	
	9/1/2021	1ST CORRECTIONS	A.L.	
	9/9/2021	2ND REVISIONS	A.L.	
$\overline{\Lambda}$				

SYSTEM INFO:

TOTAL SYSTEM SIZE: DC STC: 2373.10 KW TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW SOLAR MODULES: (4996) TRINA TSM-475DE15V(II) INVERTER(S): (31) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 1:

SYSTEM SIZE DC STC: 630.80 KW SYSTEM SIZE AC CEC: 581.05 KW SOLAR MODULES: (1328) TRINA TSM-475DE15V(II) INVERTER(S): (8) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 2:

SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 898.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 3:

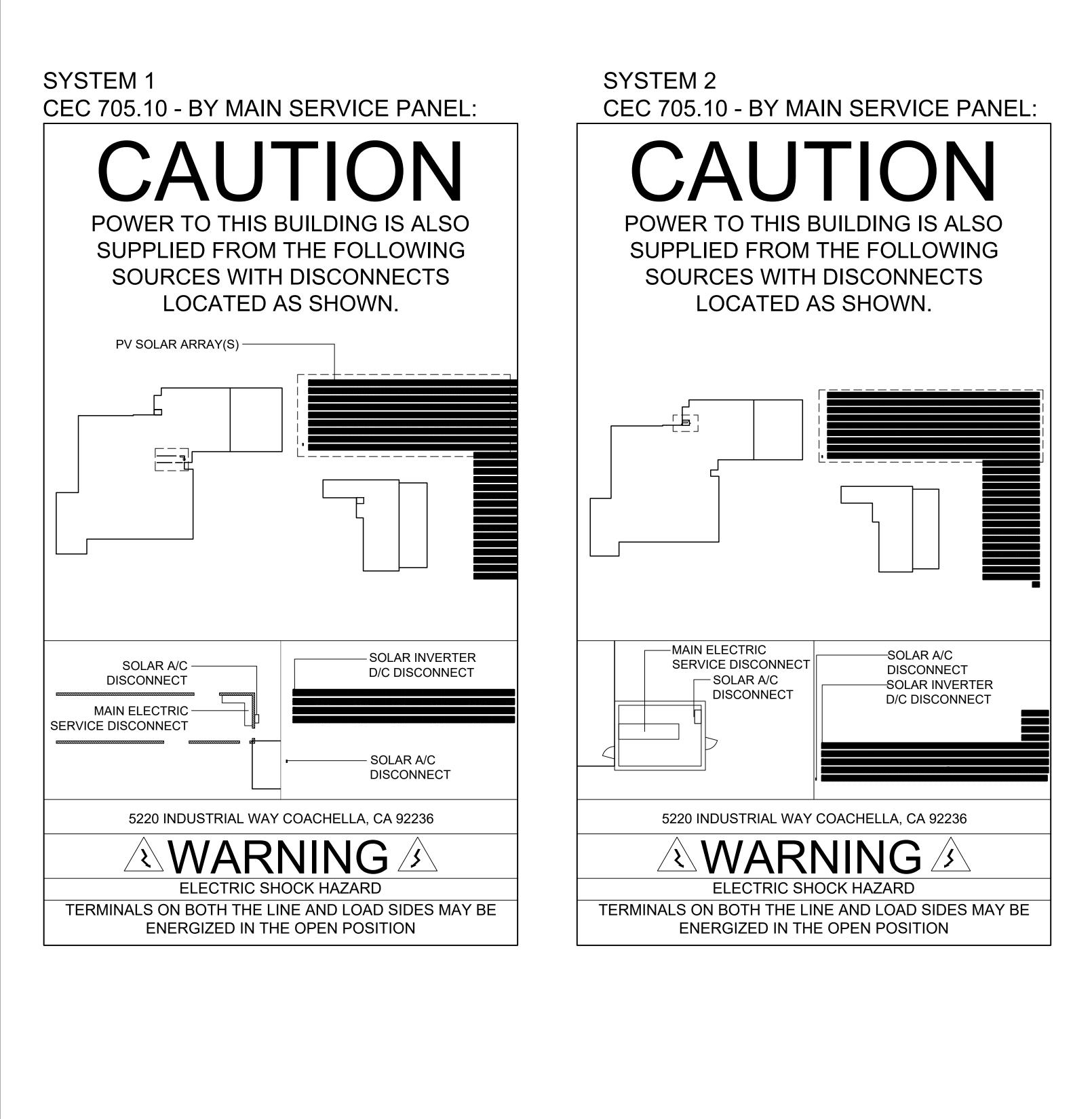
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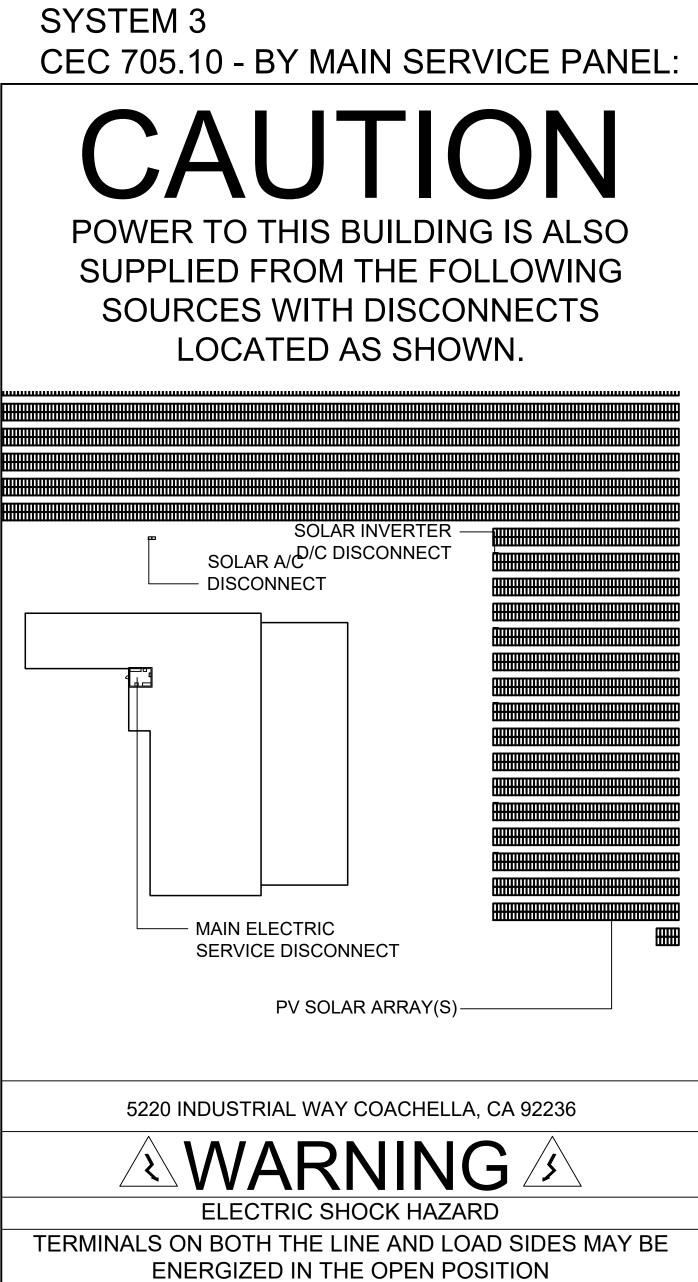
**DESCRIPTION:** 

## SIGNAGE

**PV 6.0** 







## SIGNAGE REQUIREMENTS

## **GENERAL FIRE GUIDELINES &**

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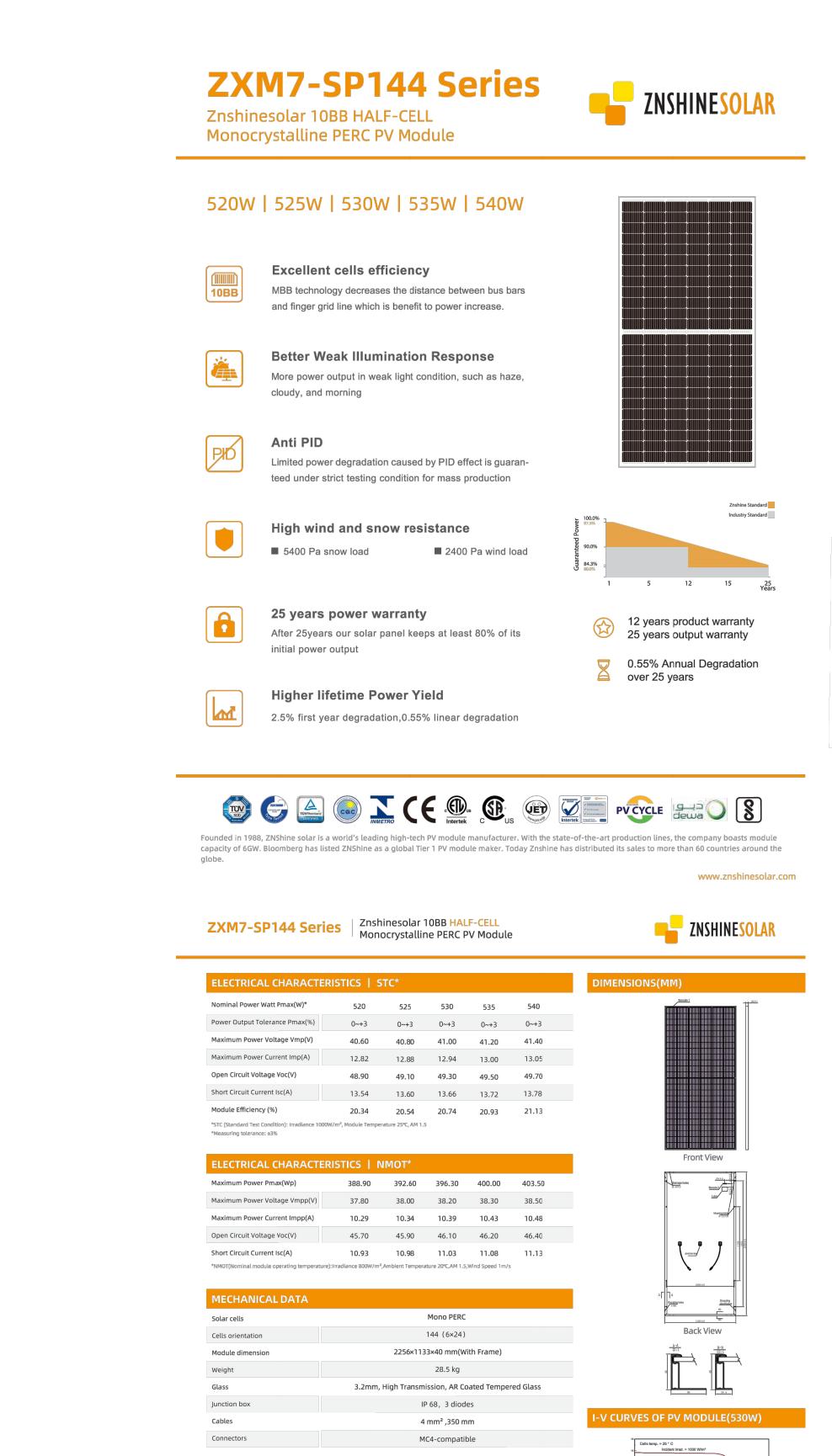
SYSTEM (PLANT) 3:

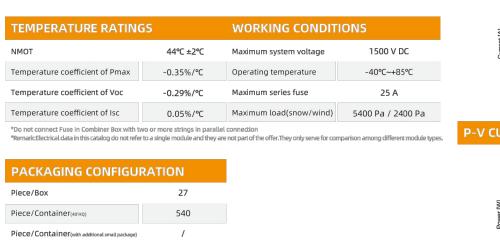
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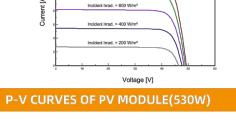
DESCRIPTION:

## **DIRECTORY PLACARDS**

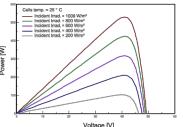
**PV 6.1** 







Incident Irrad. = 800 W/m<sup>2</sup>



🖗 Add : 1#, Zhixi Industrial Zone, JintanJiangsu 213251, P.R. China 🛛 📞 Tel: +86 519 6822 0233 🖂 E-mail: info@znshinesolar.com

Note: please read safety and installation instructions before using this product | Subject to change without prior notice © ZNSHINE SOLAR 2020 | Version: ZXM7-SP144 2012.E

## CPS

## 50/60kW, 1000Vdc String Inverters for North America

The 50 & 60kW (55 & 66kVA) medium power CPS three phase string inverters are designed for ground mount, large rooftop and carport applications. The units are high performance, advanced and reliable inverters designed specifically for the North American environment and grid. High efficiency at 98.8% peak and 98.5% CEC, wide operating voltages, broad temperature ranges and a NEMA Type 4X enclosure enable this inverter platform to operate at high performance across many applications. The CPS 50/60KTL products ship with either the Standard wirebox or the Rapid Shutdown wire-box, each fully integrated and separable with touch safe fusing, monitoring, and AC and DC disconnect switches. The integrated PLC transmitter in the Rapid Shutdown wire-box enables PVRSS certified modulelevel rapid shutdown when used with the Tigo TS4-F/TS4-A-F/TS4-A-2F products, APS RSD-S-PLC-A products, and NEP PVG-4 products. The CPS FlexOM Gateway enables monitoring, controls and remote product upgrades.

### Key Features

- NEC 2017/2020 PVRSS Certified Rapid Shutdown
- 55 & 66kVA rating allows max rated Active Power @±0.91PF Selectable Max AC Apparent Power of 50/55kVA and 60/66kVA NEC 2014/17 compliant & UL listed Arc-Fault circuit protection 15-90° Mounting orientation for low profile roof installs Optional FlexOM Gateway enables remote FW upgrades Integrated AC & DC disconnect switches 3 MPPT's with 5 inputs each for maximum flexibility
- NEMA Type 4X outdoor rated, tough tested enclosure UL1741 SA Certified to CA Rule 21, including SA8 through SA18
- Separable wire-box design for fast service
- Standard 10 year warranty with extensions to 20 years



50/60KTL Standard Wire-box

FCC This device compli part 15 of the FCC

© CHINT POWER SYSTEMS AMERICA 2021/04-MKT NA

Standard



Datasheet

CPS SCA50KTL-DO/US-480 CPS SCA60KTL-DO/US-480



50/60KTL Rapid Shutdown Wire-box



Chint Power Systems America 6800 Koll Center Parkway, Suite 235 Pleasanton, CA 94566 Tel: 855-584-7168 Mail: AmericaSales@chintpower.com Web: www.chintpowersystems.co

Model Name	CPS SCA50KTL-DO/US-480	CPS SCA60KTL-DO/US-480				
DC Input						
Max. PV Power	90kW (33kW	/ per MPPT)				
Max. DC Input Voltage	1000	Vdc				
Operating DC Input Voltage Range	200-95	50Vdc				
Start-up DC Input Voltage / Power	330V / 80W					
Number of MPP Trackers	3					
MPPT Voltage Range @ PF>0.99	480-850Vdc	540-850Vdc				
Max. PV Short-Circuit Current (Isc x 1.25)	204A (68A					
	15 inputs, 5					
Number of DC Inputs	Load-rated	•				
DC Disconnection Type						
DC Surge Protection	Type II MOV, 2800V	$_{\rm C}$ , 20ka i <sub>tm</sub> (8/205)				
AC Output						
Rated AC Output Power @ PF>0.99 to ±0.91 <sup>1</sup>	50kW	60kW				
Max. AC Apparent Power (Selectable)	50/55kVA	60/66kVA				
Rated Output Voltage	480'					
Output Voltage Range <sup>2</sup>	422 - 5	28Vac				
Grid Connection Type	3Φ / PE / N (Ne	eutral optional)				
Max. AC Output Current @480Vac	60.2/66.2A	72.2/79.4A				
Rated Output Frequency	60	Hz				
Dutput Frequency Range <sup>2</sup>	57 - 6	53Hz				
Power Factor	>0.99 (±0.8	adjustable)				
Current THD @ Rated Load	<3	%				
Max. Fault Current Contribution (1 Cycle RMS)	64.1A (1.0					
Max. OCPD Rating	110A	125A				
AC Disconnection Type	Load-break ra					
	Type II MOV, 1240V					
AC Surge Protection	Type II WOV, 1240V	C, TOKA ITM (0/20				
System and Performance	Transfor	mortoop				
Topology						
Max. Efficiency	98.					
CEC Efficiency	98.					
Stand-by / Night Consumption	<1	W				
Environment						
Enclosure Protection Degree	NEMA 1	Гуре 4X				
Cooling Method	Variable spee	d cooling fans				
Operating Temperature Range <sup>3</sup>	-22°F to +140°F /	′ - 30°C to +60°C				
Non-Operating Temperature Range <sup>4</sup>	No low temp minimum to -	+158°F / +70°C maximum				
Operating Humidity	0 to 1	00%				
Operating Altitude	13,123.4ft / 4000m (deratii	ng from 9842.5ft / 3000m)				
Audible Noise	<60dBA @ 1	m and 25°C				
Display and Communication						
User Interface and Display	LCD+	LED				
Inverter Monitoring	SunSpec, Mo					
Site Level Monitoring	CPS FlexOM Gatewa					
Modbus Data Mapping	CF					
	Standard / (with F					
Remote Diagnostics / FW Upgrade Functions	Standard / (With F	ierowi Galeway)				
	00 4 - 00 8 - 40 04-	(1000 x 600 x 260mm)				
Dimensions (HxWxD)	39.4 x 23.6 x 10.24in. (					
Neight	Inverter: 123.5lbs/56kg	-				
Mounting / Installation Angle <sup>5</sup>		izontal (vertical or angled)				
AC Termination	M8 Stud Type Terminal Block (Wire range	· · · · · · · · · · · · · · · · · · ·				
DC Termination <sup>6</sup>	Screw Clamp, Neg. Busbar (RSD ver					
Fused String Inputs (5 per MPPT) <sup>7</sup>	RSD <sup>6</sup> and Standard Wire-box: 20A fuses pr	ovided (Fuse values up to 30A acceptable)				
Safety						
Certifications and Standards	UL1741SA-2016, UL1699B, CSA-C22.2 NC	0.107.1-01, IEEE1547a-2014; FCC PART15				
Selectable Grid Standard	IEEE 1547a-2014, C	CA Rule 21, ISO-NE				
Smart-Grid Features	Volt-RideThru, Freq-RideThru, Ramp-Rate, S	Specified-PF, Volt-VAr, Freq-Watt, Volt-Watt				
Warranty						

15 and 20 years Extended Terms 1) Active Power Derating begins; at PF=±0.91 to ±0.8 when Max AC Apparent Power is set to 55 or 66kVA. 2) The "Output Votage Range" and "Output Frequency Range" may differ according to the specific grid standard. 3) Active Power Derating begins; at 40°C when PF=±0.9 and MPPT  $\geq$ Vmin, at 45°C when PF=1 and MPPT  $\geq$ Vmin, and at 50°C when PF=1 and MPPT  $\geq$  700Vdc. See user manual for further requirements regarding non-operating conditions 5) Shade Cover accessory required for installation angles of 75 degrees or less.

10 years

3) BSD wire-box only includes fuses/fusebolders on the positive polarity, compliant with NEC 2017, 690.9 (C) 7) Fuse values above 20A have additional spacing requirements or require the use of the Y-Comb Terminal Block. See user manual for details.







### **Technical Specifications**

<b>MANUFACTURING:</b> CHOICE <sup>™</sup> Direct-Bolt mounting system is OEM direct, shipped to project sites from OMCO's manufacturing facilities, conveniently located nationwide.	
<b>PRE-ASSEMBLY:</b> Each rack consists of pre-assembled components which reduces the bill of material items, allowing rapid site staging and installation.	
MATERIALS: Galvanized U.S. Steel, per ASTM A653 – Latest Edition	
<b>HARDWARE:</b> Zinc-Coated to 15 microns per UL 2703. Hardware arrives pre-sorted for easy identification. Additional plating options available for corrosive environments.	
<ul> <li>MODULE COMPATIBILITY:</li> <li>Any commercially available, framed flat-plate module.</li> <li>Plus, as an official First Solar Ecosystem Partner, OMCO racks are compatible with First Solar Series 6 panels.</li> </ul>	
<b>IN-FIELD FLEXIBILITY:</b> Built-in adjustability features account for post misalignment and terrain elevation changes with no additional components. Proprietary custom slot configurations come standard on every fixed-tilt mounting system.	
<b>TABLE CONFIGURATION:</b> 2 in Portrait is standard. Other configurations evaluated per site-specific requirements.	
TERRAIN ARTICULATION: Accommodates up to 20% grade change	
FOUNDATION OPTIONS: Driven Piles (C-Posts or I-Beams)	
<b>TILT ANGLE:</b> Accommodates from 5° - 45°	
WIRE MANAGEMENT: Integrated Wire Management System	
BONDING/GROUNDING: UL 2703 Compliant	
<b>POST TOLERANCES:</b> East to West Tolerance $\pm$ to 1°   North to South Post Tolerance $\pm$ to 1°	
LOAD CAPACITIES: Wind – Up to 180 MPH   Snow – Up to 90 PSF	
<b>CERTIFICATIONS:</b> ISO 9001:2015 Standard, UL 2703 Ed. 1, CPP Wind Tunnel-Tested, NEC Compliant	

WARRANTY: 20-Year Limited Warranty



© 2020 OMCO Holdings FIELD-FAST and OMCO CHOICE are trademarks and OMCO Solar is a registered trademark of OMCO Holdings

### EM direct, shipped ocated nationwide.



4550 W. Watkins St. Suite 100 Phoenix, AZ 85043 Tel: 602-352-2700 Fax: 602-352-2701 info@omcosolar.com www.omcosolar.com

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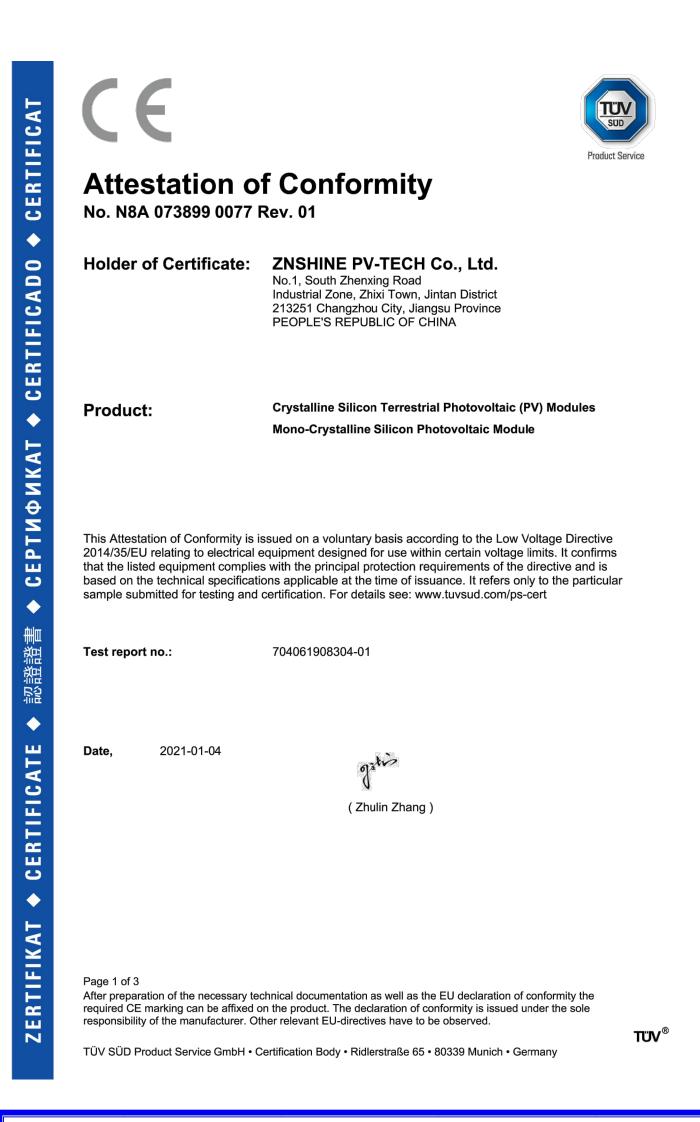
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**DESCRIPTION:** 

### **EQUIPMENT SPECIFICATIONS**





# **Certificate of Compliance**

**Certificate:** 70128088 Master Contract: 255045 70218379 **Date Issued:** 2019-03-15 **Project:** SHANGHAI CHINT POWER SYSTEMS CO., LTD Issued to: 3255 Si Xian Rd Songjiang District, Shanghai 201614 CHINA **Attention: Huan Cai** The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Yang (Jason) Lei Issued by: Yang (Jason) Lei

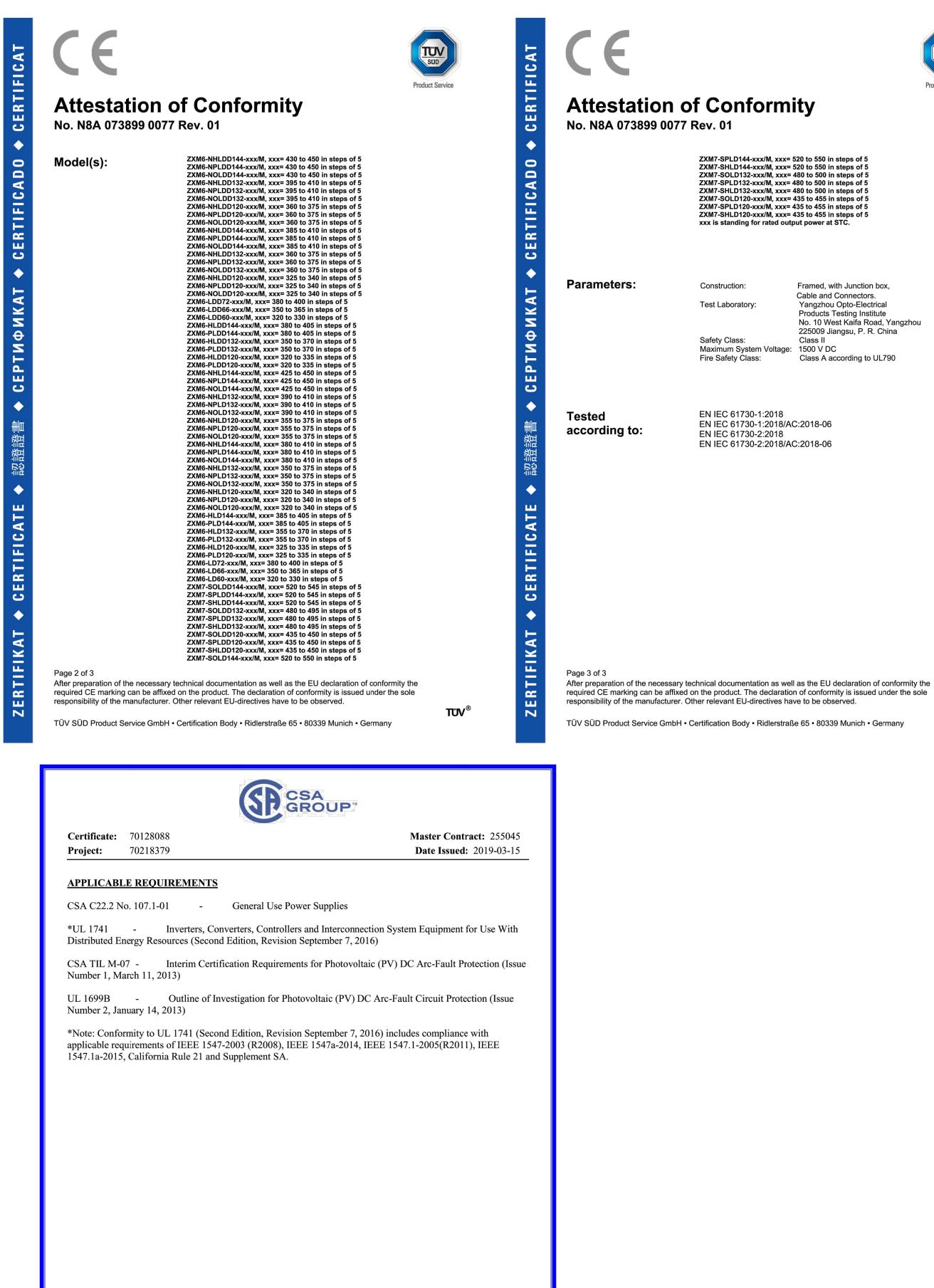
### **PRODUCTS**

CLASS - C531109 - POWER SUPPLIES-Distributed Generation Power Systems Equipment CLASS - C531189 - POWER SUPPLIES - Distributed Generation-Power Systems Equipment - Certified to U.S. Standards

Transformerless Grid Support Utility Interactive Inverter, Models CPS SCA50KTL-DO/US-480 and CPS SCA60KTL-DO/US-480, permanently connected.

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

DQD 507 Rev. 2018-11-12



DQD 507 Rev. 2018-11-12



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## **WOODSPUR FARMS PV** 5220 INDUSTRIAL WAY COACHELLA, CA 92236

### PHOTOVOLTAIC GENERAL NOTES

1	ALL MATERIALS, EQUIPMENT, INSTALLATION AND WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE	30 T	HE ROOF MOUN	ITED PHOTOVOLTAIC MODULES, PANELS	OR SOL	AR VOLTAIC	ROLL ROOFING MATERIAL SHALL HA
	FOLLOWING CODES:	T	HE SAME OR E	ETTER LISTED FIRE-RESISTANCE RATIN UTILITY-INTERACTIVE INVERTER OR OTH	G THAN	THE BUILDIN	NG ROOF-COVERING MATERIAL
	<ul> <li>2019 CBC</li> <li>2019 CEC</li> <li>2019 CMC</li> </ul>	C	ONNECTION BE	TWEEN THE GROUNDING ELECTRODE CO ED CONDUCTOR	NDUCTOR	AND THE I	PHOTOVOLTAIC SOURCE AND/OR OU
	2019 CPC     2019 CPC     2019 BUILDING ENERGY EFFICIENCY STANDARDS			UNDING CONDUCTOR FOR PV MODULES GE BY A RACEWAY OR CABLE ARMOR			
2	ALL EQUIPMENT SHALL BE LISTED AND LABELED BY A RECOGNIZED TESTING LABORATORY AND INSTALLED PER THE			CONSUMPTION IS NOT TO EXCEED 120			
3	LISTING REQUIREMENTS AND THE MANUFACTURER'S INSTRUCTIONS, CEC 110.3(B)&(C), 690.4(B) AND 690.12(D). EXISTING PLUMBING VENTS, SKYLIGHTS, EXHAUST OUTLETS, VENTLATIONS INTAKE AIR OPENING SHALL NOT BE	L L	NEC ARTICLES	HALL COMPLY WITH ALL THE LATEST A 690 AND 705], NEC REQUIREMENTS, S LECTRICAL PERMIT(S) FOR THE EQUIPM	TATE OF	CALIFORNIA	AL ELECTRIC CODE (NEC) REQUIREME A REQUIREMENTS, BUILDING CODES, A
4	COVERED BY THE SOLAR PHOTOVOLTAIC SYSTEM ALL OUTDOOR EQUIPMENT SHALL BE NEMA 3R RATED, INCLUDING ALL ROOF MOUNTED TRANSITION BOXES AND SWITCHES	35 W	ORKING CLEAR	ANCES AROUND THE EXISTING ELECTRIC E NEW ELECTRICAL EQUIPMENT WILL BE	CAL EQUI	PMENT	CORDANCE WITH CEC 110.26.
5	ALL EQUIPMENT SHALL BE PROPERLY GROUNDED AND BONDED IN ACCORDANCE WITH NEC ARTICLE 250	<u>36</u> T	HE PHOTOVOLT	AIC INVERTER WILL BE LISTED AS UL 1	741 COM	ipliant. (Ce	EC 690.4(B))
6	PV SYSTEM DC CIRCUIT AND INVERTER OUTPUT CONDUCTORS AND EQUIPMENT SHALL BE PROTECTED AGAINST			ING MUST BE MAINTAINED BETWEEN AN OOF AND THE UNDERSIDE OF THE PHO			
7	OVERCURRENT [CEC 690.9(A)]. RAPID SHUTDOWN EQUIPMENT TO PROVIDE CONTROLLED CONDUCTORS THAT ARE MORE THAN 3 FEET IN LENGTH INSIDE			AIC OUTPUT CIRCUITS OPERATING ABOV			
	A BUILDING OR MORE THAN I FOOT FROM A PV ARRAY IN ALL DIRECTIONS LIMITATION TO NOT MORE THAN 30 VOLTS AND 240 VOLT-AMPERES WITHIN 30 SECONDS OF RAPID SHUTDOWN INITIATION, CEC 690.12.	39 A	LL METALLIC R	IN ELECTRICAL RACEWAYS. [CEC 690.] ACEWAYS AND EQUIPMENT SHALL BE E		AND ELECTR	RICALLY CONTINUOUS. (CEC
8	THE UTILITY-INTERACTIVE INVERTERS SHALL AUTOMATICALLY DE-ENERGZE ITS OUTPUT TO THE CONNECTED ELECTRICAL PRODUCTION AND DISTRIBUTION NETWORK UPON LOSS OF VOLTAGE IN THE SYSTEM AND SHALL REMAIN IN THAT STATE UNTIL THE ELECTRICAL PRODUCTION AND DISTRIBUTION NETWORK VOLTAGE HAS BEEN RESTORED [CEC 705.40]	40 G	EQUIREMENTS	PHOTOVOLTAIC ARRAYS SHALL BE PROV DF 690.5(A) THROUGH (C). UNGROUNDI	VIDED WIT	TH DC GROU HOTOVOLTAN	UND-FAULT PROTECTION MEETING TH IC ARRAYS SHALL COMPLY WITH 690
9	MEANS SHALL BE PROVIDED TO DISCONNECT THE PV SYSTEM FROM ALL WRING SYSTEMS INCLUDING POWER SYSTEMS, ENERGY STORAGE SYSTEMS, AND UTILIZATION EQUIPMENT AND ITS ASSOCIATED PREMISES WRING. CC 680.13.	(	CEC 690.5)				
10	ALL CONDUCTORS EXPOSED TO WEATHER SHALL BE LISTED AND IDENTIFIED FOR USE IN DIRECT SUNLIGHT [NEC 690.31(C) THROUGH (C), 310.10(D)]						
11	THE MODULES CONDUCTORS MUST BE TYPE USE-2 OR LISTED FOR PHOTOVOLTAIC (PV) WIRE [NEC 690.31(C)]						
12	ALL CONDUCTORS SHALL BE MARKED ON EACH END FOR UNIQUE IDENTIFICATION [NEC 690.31(B)]						
13	ALL CONDUCTORS TO BE OF MATERIAL APPROVED BY THE CODE AND THEIR INSULATIONS TO BE RATED TO NOT LESS THAN 90°C 600VOLTS MINIMUM.						
14	INSULATION OF EXPOSED CONDUCTORS UNDER THE MODULES SHALL BE USE-2 OR PV-WIRE TYPE FOR GROUNDED DC SYSTEMS, CCC 690.31(C); AND PV-WIRE TYPE FOR UNOROUNDED DC SYSTEMS, (AS IN TRANSFORMERLESS INVERTIES OR MICROINVERTERS WITH ISOLATED GROUNDS)						
15	FINE-STRANDED CABLE CONNECTIONS MUST BE MADE IN LUGS AND TERMINALS LISTED AND MARKED FOR THE USE, CEC 110.14.	-					
16	ALL GROUNDED, (NEUTRAL), CONDUCTOR'S INSULATION SHALL BE SOLD WHITE, GRAY, OR WITH 3-WHITE STRIPES, CEC 2006, 62007, & 40022; AND ALL GROUNDING CONDUCTORS SHALL BE OF BARE WIRE WITHOUT COVERING, ON WITH INSULATION OF GREEN OR GREEN WITH YELLOW STRIPES, [CEC 230.119 & 400.23] THE COLOR OF UNGROUNDED CONDUCTORS SHALL BE OTHER THAN FOR GROUNDED, (NEUTRAL), AND GROUNDING CONDUCTORS, [CEC 330.110(C)].		A.B.V.	ABOVE	N	N.I.U.	NOT IN USE
		A	1.0.1.				
17	MAXIMUM CONDUCTOR LENGTH BETWEEN SUPPLY SIDE CONNECTION AND OVERCURRENT PROTECTION IS 10 FEET, CEC 705.31.		A-C	AIR CONDITIONER	IN IN	N.T.S. N.F.C	NOT TO SCALE NOT FOR CONSTRUCTION
17	CEC 705.31. PV SYSTEM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT		AC A.F.G.	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHED GRADE	IN	N.F.C.	NOT FOR CONSTRUCTION (N) NEW
	CEC 705.31.	В	AC A.F.G. B.L. BLDG	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHED GRADE BUILDING LINE BUILDING	in in	N.F.C. N. OR NO N.O.	NOT FOR CONSTRUCTION (N) NEW NUMBER NORMALLY OPEN
	CEC 705.31. PV SYSTEM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT ANY DISTRUTION EQUIPMENT ON THE PREMISES SHALL MEET THE FOLLOWING [CEC 750.12(B)]; 1. EACH SOURCE CONNECTION SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [CEC 705.12(B)(T)] 2. THE SUM OF THE AMPERE RATINGS OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100% OF THE RATING OF BUSBAR OR CONDUCTOR [CEC	B C	AC A.F.G. B.L. BLDG CSMNT CEM	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHED GRADE BUILDING LINE BUILDING CASEMENT CEMENT	0	N.F.C. N. OR NO N.O. N.C. O.C.	NOT FOR CONSTRUCTION (N) NEW NUMBER
	<ul> <li>CEC 705.31.</li> <li>PV SYSTEM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT ANY DISTRIBUTION EQUIPMENT ON THE PREMISES SHALL MEET THE FOLLOWING [CEC 750.12(B)]:</li> <li>1. EACH SOURCE CONNECTION SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [CEC 705.12(B)(1)]</li> <li>2. THE SUM OF THE AMPERE RATINGS OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100% OF THE RATING OF BUSBAR OR CONDUCTOR [CEC 705.12(B)(2)]</li> <li>3. EQUIPMENT CONTAINING OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO A BUS BAR OR</li> </ul>		AC A.F.G. B.L. BLDG CSMNT CEM C.L. COL	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHED GRADE BUILDING LINE BUILDING CASEMENT CEMENT COLUMN		N.F.C. N. OR NO N.O. N.C. O.C. O.H. P.L.	NOT FOR CONSTRUCTION (N) NEW NUMBER NORMALLY OPEN NORMALLY CLOSED ON CENTER OVERHEAD PROPERTY LINE
	<ul> <li>CEC 705.31.</li> <li>PV SYSTM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT ANY DISTRIBUTION EQUIPMENT ON THE PREMISES SHALL MEET THE FOLLOWING [CEC 750.12(B)]:</li> <li>EACH SOURCE CONNECTION SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [CEC 705.12(B)(1)]</li> <li>THE SUM OF THE AMPERE RATINGS OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100% OF THE RATING OF BUSBAR OR CONDUCTOR SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES [CEC 705.12(B)(3)]</li> </ul>	С	AC A.F.G. B.L. BLDG CSMNT CEM C.L. COL CONT CONC	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHED GRADE BUILDING LINE BUILDING CASEMENT CEMENT CEMENT COLUMN COUTINUOUS CONCRETE	0	N.F.C. N. OR NO N.O. N.C. O.C. O.H.	NOT FOR CONSTRUCTION (N) NEW NUMBER NORMALLY OPEN NORMALLY CLOSED ON CENTER OVERHEAD PROPERTY LINE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH
18	<ul> <li>CEC 705.31.</li> <li>PV SYSTEM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT ANY DISTRIBUTION EQUIPMENT ON THE PREMISES SHALL MEET THE FOLLOWING [CEC 750.12(B)]:</li> <li>EACH SOURCE CONNECTION SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [CEC 705.12(B)(1)]</li> <li>THE SUM OF THE AMPERE RATINGS OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100% OF THE RATING OF BUSBAR OR CONDUCTOR [CEC 705.12(B)(2)]</li> <li>EQUIPMENT CONTAINING OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO A BUS BAR OR CONDUCTOR SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES [CEC 705.12(B)(3)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(4)]</li> </ul>		AC A.F.G. B.L. BLDG CSMNT CEM C.L. COL CONT CONC DIA	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHED GRADE BUILDING LINE BUILDING CASEMENT CEMENT CENTER LINE COUTINUOUS CONCRETE DIAMETER	0	N.F.C. N. OR NO N.C. O.C. O.H. P.L. P.S.F. P.S.I. PVC	NOT FOR CONSTRUCTION (N) NEW NUMBER NORMALLY OPEN NORMALLY CLOSED ON CENTER OVERHEAD PROPERTY LINE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POLYVINYL CHLORIDE
18	<ul> <li>CEC 705.31.</li> <li>PV SYSTEM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT ANY DISTRUITON EQUIPMENT ON THE PREMISES SHALL WEET THE FOLLOWING [CEC 750.12(B)]</li> <li>TEACH SOURCE CONNECTION SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [CEC 705.12(B)(1)]</li> <li>THE SUM OF THE AMPERE RATINGS OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100% OF THE RATING OF BUSBAR OR CONDUCTOR [CEC 705.12(B)(2)]</li> <li>COUJIFY CONTAINING OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO A BUS BAR OR CONDUCTOR SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES [CEC 705.12(B)(3)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(4)]</li> <li>FOR LOAD SIDE INTERCONNECTION THE PANELBOARD MAIN CIRCUIT BREAKER AND THE PV POWER SOURCE CIRCUIT BREAKER SHALL BE PHYSICALLY LOCATED AT THE OPPOSITE END OF THE BUSBAR(NEC 705.12(B)(3)6)]</li> </ul>	C	AC A.F.G. B.L. BLDG CSMNT CEM C.L. CONT CONT CONC DIA DIM EA	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHED GRADE BUILDING CASEMENT CEMENT CONTINUOUS CONTINUOUS CONTINUOUS CONTERE DIAMETER DIMENSION EACH	0	N.F.C. N. OR NO N.O. N.C. O.C. O.H. P.L. P.S.F. P.S.I.	NOT FOR CONSTRUCTION (N) NEW NUMBER NORMALLY OPEN NORMALLY CLOSED ON CENTER OVERHEAD PROPERTY LINE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH POWER POWER
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18	<ul> <li>CEC 705.31.</li> <li>PV SYSTEM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT ANY DISTRUITON EQUIPMENT ON THE PREMISES SHALL MEET THE FOLLOWING [CEC 750.12(B)]</li> <li>TEACH SOURCE CONNECTION SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [CEC 705.12(B)(J)]</li> <li>THE SUM OF THE AMPERE RATINGS OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100% OF THE RATING OF BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100% OF THE RATING OF BUSBAR OR CONDUCTOR [CEC 705.12(B)(Z)]</li> <li>CORDUCTOR SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES [CC 705.12(B)(3)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(4)]</li> <li>FOR LOAD SIDE INTERCONNECTION THE PANELBOARD MAIN CIRCUIT BREAKER AND THE PV POWER SOURCE CIRCUIT BREAKER SHALL BE PHYSICALLY LOCATED AT THE OPPOSITE END OF THE BUSBAR[NEC 705.12(B)(3)]</li> <li>DC WINGI INSIDE A BULDING MUST BE IN METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, OR CABLE SHEATHINGS, CEC 6690.31(6)</li> <li>RACEWAYS IN ENCLOSED PORTIONS OF THE BULDING MUST RUN ALONG BOTTOM OF LOADBEARING MEMBERS, CRC</li> </ul>	C	AC A.F.G. B.L. BLDG CSMNT CEM C.L. COL CONT CONC DIA DIM EA ELEV ELEV ELUP E. OR (E)	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHEQ BUILDING LINE BUILDING CASEMENT CEMENT COLUMN CONTINUOUS CONCRETE DIMENSION EACH ELEVATION EQUIPMENT EXISTING	0 P Q	N.F.C. N. OR NO N.O. O.C. O.H. P.L. P.S.I. PVC PWR QTY RAC RAD R.D.	NOT FOR CONSTRUCTION NEW NUMBER NUMBER NORMALLY OPEN NORMALLY CLOSED ON CENTER OVERHEAD POPOERTY LINE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POLYVINYL CHLORIDE POWER QUANTITY ROOF AIR CONDITIONING UNIT RADIUS
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18 19 20 21 22	<ul> <li>CEC 705.31.</li> <li>PV SYSTEM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT ANY DISTRUITON EQUIPMENT ON THE PREMISES SHALL WEET THE FOLLOWING [CEC 750.12(B)]</li> <li>TEACH SOURCE.CONNECTION SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [CEC 705.12(B)(J)]</li> <li>THE SUM OF THE AMPERE RATINGS OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100% OF THE RATING OF BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100% OF THE RATING OF BUSBAR OR CONDUCTOR [CEC 705.12(B)(Z)]</li> <li>CORDUCTOR SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES [CC 705.12(B)(G)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(3)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(3)]</li> <li>DC WINGI INSIDE A BUILDING MUST BE IN METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, OR CABLE SHEATHINGS, CEC 660.31(G)</li> <li>RACEWAYS, IN ENCLOSED PORTIONS OF THE BUILDING MUST RUN ALONG BOTTOM OF LOADBEARING MEMBERS, CRC R324.7.2.7.</li> <li>METAULC TYPE RACEWAYS, CONDUITS, ENCLOSURES, AND CABLE SHEATHS CONTAINING CIRCUITS OVER 250-VOLTS TO ROROUND MATE BE ONLY WITH TERMINALS, LUCS, DEVICES OR CONNECTOR THAT</li> </ul>	C D E	AC A.F.G. B.L. BLDG CSMNT C.L. COL CONT CONT CONT CONT DIA DIM EA ELEV EQUIP E. OR (E) EXT	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHED GRADE BUILDING CASEMENT CEMENT COLUMN CONTINUOUS CONCRETE DIMENSION EACH ELEVATION EACH ELEVATION EXISTING EXTERIOR GAUGE GAUCANIZED GARAGE	0 P Q	N.F.C.           N.         OR           N.O.           N.C.           O.C.           O.H.           P.S.F.           PVC           PWR           QTV           RAC           RAD           R.D.           R.V.	NOT FOR CONSTRUCTION (N) NEW NUMBER NORMALLY OLOSED ON CENTER OVERHEAD PROPERTY LINE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POLYNINYL CHLORIDE POWER QUANTITY ROOF AIR CONDITIONING UNIT RADIUS ROOF DRAIN ROOF VENT ROOF SKYLIGHT ROOF SKYLIGHT ROOF ACCESS HATCH
18 19 20 21 22 23	<ul> <li>CEC 705.31.</li> <li>PV SYSTEM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT ANY DISTRUITION EQUIPMENT ON THE PREMISES SHALL WEET THE FOLLOWING [CEC 750.12(B)]</li> <li>EACH SOURCE CONNECTION SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [CEC 705.12(B)(7)]</li> <li>THE SUM OF THE AMPERE RATINGS OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100% OF THE RATING OF BUSBAR OR CONDUCTOR [CEC 705.12(B)(2)]</li> <li>CICIDITION SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES [CEC 705.12(B)(3)]</li> <li>CICICUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(4)]</li> <li>FOR LOAD SUB INTERCONNECTION THE PANELBOARD MAIN CIRCUIT BREAKER NOT THE PURPMER SOURCE CIRCUIT BREAKER SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES [CEC 705.12(B)(4)]</li> <li>FOR LOAD SUB INTERCONNECTION THE PANELBOARD MAIN CIRCUIT BREAKER NOT THE PURPMER SOURCE CIRCUIT BREAKER SHALL BE PHYSICALLY LOCATED AT THE OPPOSITE END OF THE BUSBAR[INEC 705.12(B)(3)(b)]</li> <li>DC WRING INSIDE A BUILDING MUST BE IN METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, OR CABLE SHEATHINGS, CEC 680.31(G)</li> <li>RACEWAYS IN ENCLOSED PORTIONS OF THE BUILDING MUST RUN ALONG BOTTOM OF LOADBEARING MEMBERS, CRC R324.7.2.7.</li> <li>METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, AND CABLE SHEATHINGS, CICUITS OVER 250-VOLTS TO GROUND MUST BE BOND IN ACCORDANCE WITH CEC 250.37 &amp; 290.92(B).</li> <li>FLEXIBLE, FINE-STRANDED CABLES SHALL BE TERMINATED ONLY WITH TERMINALS, LUGS, DEVICES OR CONNECTOR THAT ARE IDENTIFIED AND LISTED FOR SUCH USC, CEC 680.31(H &amp; 10.14.</li> <li>CONNECTORS SHALL BE OF LATCHING OR LOCKING TYPE. CONNECTORS THAT ARE READILY ACCESSIBLE AND</li> </ul>	C D E G	AC A.F.G. B.L. GCMNT CCM COL COL CONT CONC DIA CONC DIA EA ELEV EQUIP E. OR (E) EXT GA GALV GAR G.F.C.L. G.F.L.	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHED GRADE BUILDING LINE BUILDING LINE BUILDING CASEMENT CASEMENT CEMENT CENTER LINE COOLUMN CONTINUOUS CONTINUOUS CONTINUOUS CONTRUIDU CONT	0 P Q	N.F.C. N. OR N.O. N.O. O.C. O.H. P.S.F. P.S.F. PVC RAC RAD R.D. R.Y. RSL RSH RAF REF SPECS	NOT FOR CONSTRUCTION INNEW NUMBER NORMALLY OLOSED ON CENTER OVERHEAD PROPERTY LINE POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH POWER QUANTTY ROOF AIR CONDITIONING UNIT RADIUS ROOF DRAIN ROOF DRAIN ROOF SKYLIGHT ROOF SKYLIGHT ROOF SKYLIGHT ROOF SKYLIGHT ROOF SMOKE HATCH ROF ACCESS HATCH REFERENCE SPECIFICATIONS
18 19 20 21 22 23 24	CEC 705.31. PV SYSTEM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT ANY DISTRUTION EQUIPMENT ON THE PREMISES SHALL WET THE FOLLOWING [CEC 750.12(B)] 1. EACH SOURCE CONNECTION SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [CEC 705.12(B)(1)] 2. THE SUM OF THE AMPERE RATINGS OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100% OF THE RATING OF BUSBAR OR CONDUCTOR [CEC 705.12(B)(2)] 3. EQUIPMENT CONTAINING OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO A BUS BAR OR CONDUCTOR SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES [CEC 705.12(B)(3)] 4. CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(3)] 5. FOLDAD SIDE INTERCONNECTION THE PANELBOARD MAIN CIRCUIT BREAKER AND THE PV POWER SOURCE CIRCUIT BREAKER SHALL BE PHYSICALLY LOCATED AT THE OPPOSITE END OF THE BUSBAR[NEC 705.12(B)(3)[5]] DC WRING INSIDE A BULDING MUST BE IN METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, OR CABLE SHEATHINGS, CEC 690.31(6) 7. RACEWAYS IN ENCLOSED PORTIONS OF THE BUILDING MUST RUN ALONG BOTTOM OF LOADBEARING MEMBERS, CRC 7. R324.7.2.7. METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, AND CABLE SHEATHINGS, METALL TYPE RACEWAYS, CONDUITS, ENCLOSURES, AND CABLE SHEATHS CONTAINING CIRCUITS OVER 250–VOLTS TO FROUND MUST BE BONDED IN ACCORDANCE WITH CEC 250.37 & 290.92(B). FLEXIBLE, FINE–STRANDED CABLES SHALL BE TERMINATED ONLY WITH TERMINALS, LUGS, DEVICES OR CONNECTOR THAT ARE IDENTIFIED AND LISTED FOR SUCH USC, CEC 690.31(H) & 110.14. CONNECTORS SHALL BE OF LATCHING ON CLOSURES, CONCETORS THAT ARE DEDITIFIED AND LISTED FOR SUCH USC, CEC 690.31(H) & 110.14. CONNECTORS SHALL BE OF LATCHING ON LOCKING TYPE. CONNECTORS THAT ARE READILY ACCESSIBLE AND OPERATING AT OVER 3000A DIST, DICLOSURES, LECURE TO TO OPEN AND MARKED "DO NOT DISCONNECT UNDER LOAD" ON TOF FOR CURRENT INTERRUPTING" [NEC 690.33(C) & (E)(2)]	C D E G	AC A.F.G. B.L. BLDG CSMNT CEM CL. COL CONT CONC DIA DIM DIM EA ELEV EQUIP E. OR (E) EXT GALV GALV GALV GAL G.F.I. G.YP J–BOX	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHED GRADE BUILDING CASEMENT CEMENT COLUMN CONTINUOUS CONTINUOUS CONTRUICUS CONTRUIOUS CONTRUIT CONTRUICUS CONTRUICUS CONTRUIT CONTRUICUS CON	O P Q R	N.F.C. N. OR N.O. N.C. O.C. O.H. P.S.F. PVC PWR PVC PWR RAC R.D. R.D. R.D. R.J. R.SH RSH REF SPECS SHT SQ.FT.	NOT FOR CONSTRUCTION INNEW NUMBER NORMALLY OLOSED ON CENTER OVERHEAD PROPERTY LINE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH POWER ROOF AIR CONDITIONING UNIT RODIOF AIR CONDITIONING UNIT RODIOF SANUE ROOF SKYLIGHT ROOF SKYLIGHT ROOF SCESS HATCH REFERENCE SPECIFICATIONS SHEET SQUARE FOOT-FEET
18 19 20 21 22 23 24 24	<ul> <li>CEC 705.31.</li> <li>PV SYSTEM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT ANY DISTRUITON EQUIPHENT ON THE PREMISES SHALL MEET THE FOLLOWING [CEC 750.12(B)]</li> <li>EACH SOURCE CONNECTION SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [CEC 705.12(B)(1)]</li> <li>THE SUM OF THE AMPERE RATINGS OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUISDAR OR CONDUCTOR SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR CONDUCTOR SHALL NOT EXCEED 100X OF THE RATING OF BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100X OF THE RATING OF BUSBAR OR CONDUCTOR SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES [CEC 705.12(B)(2)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(4)]</li> <li>FOR LOAD SDE INTERCONNECTION THE PARLEDARD MAIN CIRCUIT BREAKER AND THE PV POWER SOURCE CIRCUIT BREAKER SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES [CEC 705.12(B)(3)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(4)]</li> <li>FOR LOAD SDE INTERCONNECTION THE PARLEDARD MAIN CIRCUIT BREAKER AND THE PV POWER SOURCE CIRCUIT BREAKER SHALL BE PHYSICALLY LOCATED AT THE OPPOSITE END OF THE BUSBAR[NEC 705.12(B)(3)(b)]</li> <li>DC WRING INSIDE A BUILDING MUST BE IN METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, OR CABLE SHEATHINGS, CEC 690.3(IG)</li> <li>RACEWAYS IN ENCLOSED PORTIONS OF THE BUILDING MUST RUN ALONG BOTTOM OF LOADBEARING MEMBERS, CRC R324.7.2.7.</li> <li>METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, AND CABLE SHEATHS CONTAINING CIRCUITS OVER 250-VOLTS TO GROUND MUST BE DORDED IN ACCORDANCE WITH CEC 230.7 &amp; 29.9.2(B).</li> <li>FLEXIBLE, FINE-STRANDED CABLES SHALL BE TERMINATED ONLY WITH TERMINALS, LUGS, DEVICES OR CONNECTOR THAT ARE IDENTIFIED AND LOTED FOR SUCH USC, CENAL SHALL REQUIRE TOOL TO OPEN AND MARKED "DO NOT DISCONNECT UNDER LOAD" OR 'NOT FOR CURRENT INTERRUPTING" [NEC 680.3(IC) &amp; (E)(2)]</li> <li>CABLES/WIRES THAT ARE SUBJECT TO PHYSICAL DAMAGE,</li></ul>	C D E G	AC A.F.G. B.L. BLDG CSMNT CCM COL COL CONC DIA EA ELEV EQUIP E. OR (E) EXT GA GALV GAR G.F.L. G.F.L. GYP J-BOX J.ST K.O.	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHED GRADE BUILDING INDENING CASEMENT CEMENT CEMENT COLUMN CONTINUOUS CONTINUOUS CONTINUOUS CONTINUOUS CONTINUOUS CONTRUENT DIAMETER DIAMETER DIAMETER DIAMETER DIAMETER EXUSTING EXUSTING EXUSTING EXUSTING EXUSTING EXUSTING EXUSTING EXUSTING EXUSTING CAUCE GAUVANIZED GAUVANIZED GAUANIZED GAUADI GAUDI FAULT CIRCUT INTERRUPT GYDIND FAULT INTERRUPT GYDING FOULT INTERRUPT GYDING FOULT	O P Q R	N.F.C. N. OR N.O. N.C. O.C. O.H. P.S.F. P.S.F. PVC PWC RAC RAD R.D. R.V. RSL RSH RAH RAH RAF SPECS SHT SQ.FT. SQ.IN. SQ.D. STD	NOT FOR CONSTRUCTION INNEW NUMBER NORMALLY OLOSED ON CENTER OVERHEAD PROPERTY LINE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH POWER QUANTITY ROOF AIR CONDITIONING UNIT ROOF DRAIN ROOF DRAIN ROOF DRAIN ROOF SKYLIGHT ROOF SKYLIGHT ROOF SKYLIGHT ROOF SKYLIGHT ROOF SKYLIGHT ROOF SKYLIGHT ROOF SCESS HATCH REFERENCE SPECIFICATIONS SHEET SQUARE INCH-INCHES STANDARD
18 19 20 21 22 23 24	<ul> <li>CEC 705.31.</li> <li>PV SYSTEM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT ANY DISTRUITON EQUIPMENT ON THE PREMISES SHALL MEET THE FOLLOWING [CEC 750.12(B)]</li> <li>TEACH SOURCE CONNECTION SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [CEC 705.12(B)]</li> <li>THE SUM OF THE AMPERE RATINGS OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100% OF THE RATING OF BUSBAR OR CONDUCTOR [CEC 705.12(B)(2)]</li> <li>CEQUIPMENT CONTAINING OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO A BUS BAR OR CONDUCTOR SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES [CEC 705.12(B)(2)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(3)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(3)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(3)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(3)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(3)]</li> <li>DC WRING INSIDE A BULDING MUST BE IN METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, OR CABLE SHEATHINGS, CEC 690.31(6)</li> <li>RACEWAYS IN ENCLOSED PORTIONS OF THE BUILDING MUST RUN ALONG BOTTOM OF LOADBEARING MEMBERS, CRC R324.7.2.7.</li> <li>METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, AND CABLE SHEATHINGS, MECOTORING CIRCUITS OVER 250VOLTS TO GROUND MUST BE BONDED IN ACCORDANCE WITH CEC 250.37 &amp; 290.92(B).</li> <li>FLEXIBLE, FINE-STRANDED CABLES SHALL BE TERMINATED ONLY WITH TERMINALS, LUGS, DEVICES OR CONNECTOR THAT ARE DENTIFIED AND USER, CEC 690.31(H) &amp; 110.14.</li> <li>CONNECTORS SHALL BE OF LACHING ON LOSCING TYPE. CONNECTORS THAT ARE READILY ACCESSIBLE AND OPERATING AT ONE? SUGN LOSC, DEC 690.31(H) &amp; 110.14.</li> <li>CONNECTORS SHALL BE OF LACHING ON LOCKING TYPE. CONNECTORS THAT ARE READILY ACCESSIBLE AND OPERATING ATO ANS OF THE</li></ul>	C D G J	AC A.F.G. B.L. BLDG CSMNT CCL COL COL CONT CONC DIA EA ELEV EOUIP E. OR (E) EXT GA GAR GAR GAR GAR GAR GAR GAR GAR J-BOX	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHED GRADE BUILDING CASEMENT CEMENT CEMENT COLUMN CONTINUOUS CONTINUOUS CONTINUOUS CONTINUOUS CONTINUOUS CONTINUOUS CONTINUOUS CONTER DIMENSION EACH ELEVATION ELEVATION E	O P Q R	N.F.C. N. OR N.O. N.C. O.C. O.H. P.S.F. P.S.I. PVC RAC RAD R.V. RSL RSL RSH REF SPECS SHT SQ.FT. SQ.IN.	NOT FOR CONSTRUCTION NOT FOR CONSTRUCTION NUMBER NUMBER NORMALLY OLOSED ON CENTER OVERHEAD PROPERTY LINE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH ROOF OF AIR CONDITIONING UNIT ROOF SAUKE HATCH ROOF SMOKE HATCH ROOF SCULGHT ROOF SQUARE INCH PEFERENCE SPECIFICATIONS SHEET SQUARE FOOT-FEET SQUARE INCH-INCHES STANDARD SYSTEM
18 19 20 21 22 23 24 24 25 26	<ul> <li>CEC 705.31.</li> <li>PV SYSTEM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT ANY DISTRUITON EQUIPMENT ON THE PREMISES SHALL WET THE FOLLOWING [CEC 750.12(B)]</li> <li>TEACH SOURCE CONNECTION SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [CEC 705.12(B)]</li> <li>THE SUM OF THE AMPERE RATINGS OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100% OF THE RATING OF BUSBAR OR CONDUCTOR [CEC 705.12(B)(2)]</li> <li>EQUIPMENT CONTAINING OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO A BUS BAR OR CONDUCTOR SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES [CEC 705.12(B)(3)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(3)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(3)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(3)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(3)[6)]</li> <li>DC WRING INSDE A BULDING MUST BE IN METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, OR CABLE SHEATHINGS, CEC 6690.3((6))</li> <li>RACEWAYS IN ENCLOSED PORTIONS OF THE BUILDING MUST RUN ALONG BOTTOM OF LOADBEARING MEMBERS, CRC R324.7.2.7.</li> <li>METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, AND CABLE SHEATHINGS, CIC 600.01(15)</li> <li>RACEWAYS IN ENCLOSED PORTIONS OF THE BUILDING MUST RUN ALONG BOTTOM OF LOADBEARING MEMBERS, CRC R324.7.2.7.</li> <li>METALLIC TYPE RACEWAYS, CONDUITS, ENCLOSURES, AND CABLE SHEATHS CONTAINING CIRCUITS OVER 250–VOLTS TO GOOND MUST BE BONDED IN ACCORPANCE WITH CEC 250.97 &amp; 290.92(B).</li> <li>FLEXIBLE, FINE–STRANDED CABLES SHALL BE TERMINATED ONLY WITH TERMINALS, LUGS, DEVICES OR CONNECTOR THAT ARE IDENTIFIED AND USER OF ROUCDUST, ENCLOSURES, AND CABLE SHEATHINGS, CEC 000.01 DISCONNECT UNDER LOAD' OR "NOT FOR CURRENT INTERRYPTING" [NEC 690.33(C) &amp; (5)(2)]</li> <li>CABLES/WIRES THAT ARE SUBLECT TO PHYSICAL</li></ul>	C D G J K	AC A.F.G. B.L. BLDG CSMNT CEM CLL CONT CONC DIA DIM EA ELEV EQUIP E. OR (E) EXT GA GALV GAR G.F.I. GYP J-BOX JST K.O. MECH	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHED GRADE BUILDING LINE BUILDING LINE CASEMENT CEMENT CEMENT COLUMN CONTINUOUS CONCRETE DIMENSION EACH ELEVATION EACH ELEVATION EXISTING EXTERIOR GAUGE GAUGE GAUGE GAUGE GAUCA GAUGE GAUSE	O P Q R S	N.F.C. N. OR N.O. N.C. O.C. O.H. P.S.F. P.S.F. P.S.I. PVC RAC RAD R.D. R.V. RSL RSH RAH REF SPECS SHT SQ.FT. SQ.FT. SQ.F. STD STD STD STD	NOT FOR CONSTRUCTION INNUMER NUMBER NORMALLY OLOSED ON CENTER OVERHEAD PROPERTY LINE POUNDS PER SQUARE FOOT POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH ROOF AIR CONDITIONING UNIT ROOF DRAIN ROOF VENT ROOF SKYLIGHT ROOF SKYLIGHT ROOF SKYLIGHT ROOF SKYLIGHT ROOF AIR CONDITIONING UNIT ROOF SCH ROOF SCH REFERENCE SQUARE INCH-INCHES STANDARD SYSTEM
18 19 20 21 22 23 24 24	<ul> <li>CEC 705.31.</li> <li>PV SYSTEM CONNECTED ON THE LOAD SIDE OF THE SERVICE DISCONNECTING MEANS OF THEOTHER SOURCE(S) AT ANY DISTRUITON EQUIPHENT ON THE PREMISES SHALL MEET THE FOLLOWING [CEC 750.12(B)]</li> <li>TACH SOURCE CONNECTION SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [CEC 705.12(B)(1)]</li> <li>THE SUM OF THE AMPERE RATINGS OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUISDAR OR CONDUCTOR SHALL NOT EXCEED 100X OF THE RATING OF BUSBAR OR CONDUCTOR SHALL NOT EXCEED 100X OF THE RATING OF BUSBAR OR CONDUCTOR SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES [CEC 705.12(B)(3)]</li> <li>CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION [CEC 705.12(B)(4)]</li> <li>FOR LOAD SDE INTERCONNECTION THE PANLEDARD MAIN CIRCUIT BREAKER AND THE PV POWER SOURCE CIRCUIT BREAKER SHALL BE HAYSICALLY LOCATED AT THE OPPOSITE END OF THE BUSBAR[NEC 705.12(B)(3)[b)]</li> <li>DC WINING INSIDE A BUILDING MUST BE IN METALLIC TYPE RAGEWAYS, CONDUITS, ENCLOSURES, OR CABLE SHEATHINGS, CEC 690.31(6)</li> <li>TRIZMEL, FINE-STRANDED CABLES SHALL BE INTABLE FOR SUCH OF LOADBEARING MEMBERS, CRC R324.7.2.7.</li> <li>METALLUC TYPE RACEWAYS, CONDUITS, ENCLOSURES, AND CABLE SHEATHS CONTAINING CIRCUITS OVER 250-VOLTS TO GROUND MUST BE BONDED IN ACCORDANCE WITH CEC 250.7.9.2 (20.9.2(B)).</li> <li>FLEXBLE, FINE-STRANDED CABLES SHALL BE TERMINATED ONLY WITH TERMINALS, LUGS, DEVICES OR CONNECTOR THAT ARE IDENTIFIED AND LISTED FOR SUCH USE, CEC 690.31(1) 4 110.1.</li> <li>CONNECTORS SHALL BE OF LATCHING OR LOCKING TYPE. CONNECTORS THAT ARE READILY ACCESSIBLE AND OPERATING AT UNERLUPTING [NEC SHALL REQUIRE TOOL TO ORNE AND MARKED "DO NOT DISCONNECT UNDER LOAD" OR 'NOT DISCONNECT THAT FREE INFORMATION OF LOCATED UNDER THE MODULES, MUST BE PROTECTED, CEC 300.4.</li> <li>PROPOSED LOCATIONS OF THE ELECTRICAL SERVICE REPLACEMENTS MUST ALSO BE APPROVED BY THE ELECTRICAL JUILTUT COMPANY.</li> <li>FOR ELECTRICAL SERVICE REPLACEMENTS, BODDING TO THE METAL PIPES OF NATURAL GAS, HOT</li></ul>	C D G J K	AC A.F.G. B.L. BLDG CSMNT CEM CLL CONT CONC DIA DIM EA ELEV EQUIP E. OR (E) EXT GA GALV GAR G.F.I. GYP J-BOX JST K.O. MECH	AIR CONDITIONER ALTERNATING CURRENT ABOVE FINISHED GRADE BUILDING LINE BUILDING LINE CASEMENT CEMENT CEMENT COLUMN CONTINUOUS CONCRETE DIMENSION EACH ELEVATION EACH ELEVATION EXISTING EXTERIOR GAUGE GAUGE GAUGE GAUGE GAUCA GAUGE GAUSE	O P Q R S T	N.F.C. N. OR NO. N.C. O.C. O.L. P.S.I. P.S.I. PVG QTY RAC R.D. R.D. R.D. R.D. R.D. R.J. RSH REF SPECS SHT SQ.FT. SQ.IN. STD SYS TYP	NOT FOR CONSTRUCTION NOT FOR CONSTRUCTION NUMBER NUMBER NORMALLY OLOSED ON CENTER OVERHEAD PROPERTY LINE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH POUNTY ROOF AIR CONDITIONING UNIT ROOF AIR CONDITIONING UNIT ROOF SAVILGHT ROOF SAVILGHT ROOF SMOKE HATCH ROOF SMOKE HATCH ROOF SCESS HATCH ROOF SCESS HATCH REFERENCE SPECIFICATIONS SHEET SQUARE INCH-INCHES STANDARD SYSTEM TYPICAL

SYSTE		ATION		APPROVAL STA
SYSTEM 1:				
SYSTEM SIZE DC STO	C: 630.80 KW			
SYSTEM SIZE AC CEO	C: 581.05 KW			DEVELOPMENT SERVICE PLANNING DIVISION
SOLAR MODULES: (13	328) TRINA TSM-475DE15V(II)			
INVERTER(S): (8) CP	PS SCA60TL-DO/US-480		APPROVED	
MOUNTING SYSTEM:	OMCO SOLAR MOUNT			10/25/2021
				Planner: ngomez
SYSTEM 2:				As conditioned under AR 21-10
SYSTEM SIZE DC STO	C: 975.65 KW			As conditioned under AR 21-10
SYSTEM SIZE AC CEO	С: 898.70 КЖ			
SOLAR MODULES: (2)	054) TRINA TSM-475DE15V(II)			
INVERTER(S): (13) C	PS SCA60TL-D0/US-480			
MOUNTING SYSTEM:	OMCO SOLAR MOUNT			
SYSTEM 3:				
SYSTEM SIZE DC STO	C: 766.65 KW			
SYSTEM SIZE AC CEO	C: 706.18 KW			
SOLAR MODULES: (16	614) TRINA TSM-475DE15V(II)			
INVERTER(S): (10) CI	PS SCA60TL-D0/US-480			
MOUNTING SYSTEM:	OMCO SOLAR MOUNT			
SCOPE	OF WORK			
INSTALLING:				
(4996) ROOF MOUN	TED PHOTOVOLTAIC MODULES			
(31) CPS SCA60TL-	D0/US-480 INVERTER(S)			
OMCO SOLAR MOUN	т			
LEGAL	DESCRIPT	ION	DRA	WING INDEX
	MAIN BUILDINGS	<u>GROUNDMOUNT</u>	PV 1	<u>ELECTRICAL</u> COVER PAGE
AIN:	763-400-021	763-400-021	PV 2.0 PV 2.1	SITE PLAN ELEVATION DETAIL
SITUS ADDRESS:	5220 INDUSTRIAL WAY	5220 INDUSTRIAL WAY	PV 2.2	ELEVATION DETAIL
DCCUPANCY USE:	F	U	PV 3.0 PV 3.1	PLOT PLAN SYSTEM 1
			PV 3.2	SYSTEM 2

	MAIN BUILDINGS	GROUNDMOUNT		ELECTRICAL
			PV 1	COVER PAGE
			PV 2.0	SITE PLAN
AIN:	763-400-021	763-400-021	PV 2.1	ELEVATION DETAIL
SITUS ADDRESS:	5220 INDUSTRIAL WAY	5220 INDUSTRIAL WAY	PV 2.2	ELEVATION DETAIL
TOS ADDITESS.	SZZO WOOSTWINE WAT		PV 3.0	PLOT PLAN
OCCUPANCY USE:	F	U	PV 3.1	SYSTEM 1
CONSTRUCTION TYPE:	III. SPRINKLERED		PV 3.2	SYSTEM 2
Construction The.	II, OF MINICENED		PV 3.3	SYSTEM 3
STORIES:	1		PV 4.0	SYSTEM 1 SLD
B00K:	763	763	PV 4.1	SYSTEM 2 SLD
			PV 4.2	SYSTEM 3 SLD
PAGE:	400	400	PV 5	GROUNDING
LOT:	021	021	PV 6.0	SIGNAGE
2011	021	<u>.</u>	PV 6.1	DIRECTORY PLACARDS
			PV 7	EQUIPMENT SPECIFICATIONS
			PV 8	UL LISTING

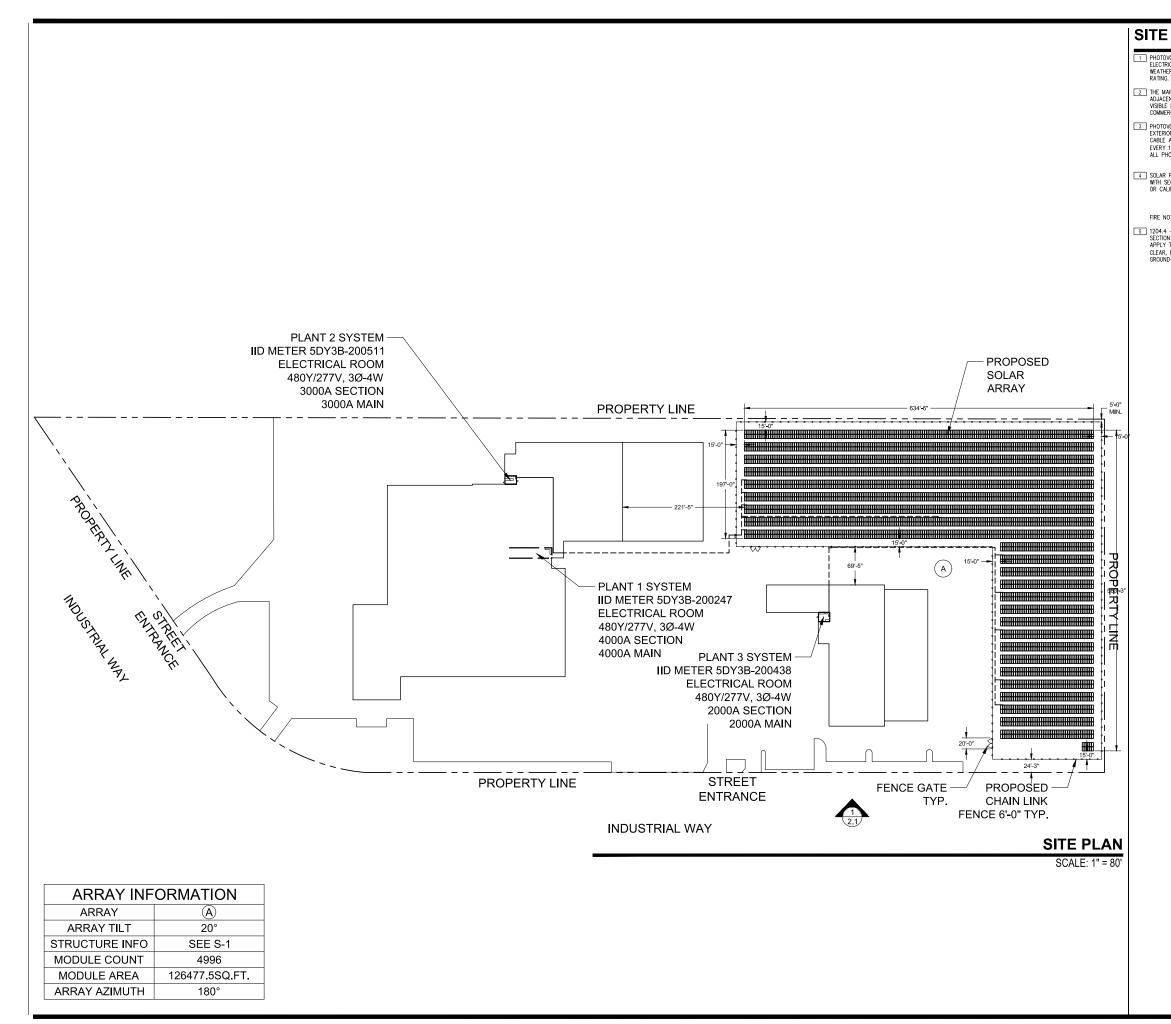
### VICINITY MAP





PARCEL MAP

					Item 2.
		C	ONTRA		२
		R	EVEL-ENE		 C.
			2323 MA IRVINE, C/	A 92614	10.010
STAMPS			: 1038433 (949) 28	1-7171	
RVICES ON	THESE ORDIN OMISS WORK	E PLANS IS JANCES OF JONS OR E PERFORM	THAT THE WORK PF IN CONFORMANCE WI THE AHJ OF CITY OF RRORS ARE DISCOVE IED WILL BE REQUIRE S OF THE AHJ OF CIT	TH ALL CODES A COACHELLA AND RED, I UNDERST D TO COMPLY W	ND FURTHER, IF AND THAT THE ITH THE CODES
ED	SIGNA	BUILDING	INSPECTION.	STATE	LICENSE NO.
1				1038433	/ A, B, C10, C46
R 21-10					
				FARMS	
			20 INDUST ACHELLA		
	ARCH			ELECT.	STRUC.
		7/27/2021 8/18/2021 9/1/2021	INITIAL PLAN SET 1ST REVISIONS 1ST CORRECTIONS	A.L. A.L.	
		9/9/2021	2ND REVISIONS	A.L.	
		EM INFO:	IZE: DC STC: 2373.10 IZE: AC CEC: 2185.93	ĸw	
	SOLAF	R MODULES:	IZE: AC CEC: 2185.93 (4996) TRINA TSM-4 I) CPS SCA60TL-D0/U	75DE15V(II)	
	SYSTE	M (PLANT)	1: STC: 630.80 KW CEC: 581.05 KW		
	SOLAF	MODULES:	(1328) TRINA TSM-4 CPS SCA60TL-DO/US		
		M (PLANT) M SIZE DC	2: STC: 975.65 KW		
	SOLAF	MODULES:	CEC: 898.70 KW (2054) TRINA TSM-4 5) CPS SCA60TL-DO/U		
SEC 9 155, R.8E % 1000 763-40 000 000 000 000 000 000 000 000 000		M (PLANT)	3: STC: 766.65 KW		
	SYSTE	M SIZE AC MODULES	CEC: 706.18 KW (1614) TRINA TSM-43 (CPS SCA60TL-DO/U		
	DES	CRIPTIC	DN:		
			COVER	PAGE	
and a second sec					
			D\/		1
No.         No.         No.         No.         No.         No.           No.         No.         No.         No.         No.         No.         No.           No.         No.         No.         No.         No.         No.         No.         No.           No.         No.         No.         No.         No.         No.         No.         No.           No.			V		



### SITE NOTES

PHOTOVOLTAIC SYSTEMS SHALL BE MARKED TO IDENTIFY THE MAIN ELECTRICAL SERVICE DISCONNECT. MATERIALS USED FOR MARKING SHALL BE WEATHER RESISTANT AND MEET UL 969 AS THE STANDARD FOR WEATHER RATING.

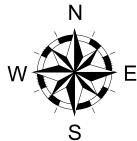
2 THE MAIN ELECTRICAL SERVICE DISCONNECT MARKING SHALL BE PLACED ADJACENT TO THE MAIN SERVICE DISCONNECT IN A LOCATION CLEARLY VISIBLE FROM THE LOCATION WHERE THE LEVER IS OPERATED, FOR COMMERCIAL AND INDUSTRIAL BUILDINGS.

PHOTOVOLTAIC CIRCUIT WARKING SHALL BE PLACED ON ALL INTERIOR AND EXTERIOR PHOTOVOLTAIC DC CIRCUIT CONDUIT, RACEWAYS, ENCLOSURES, CABLE ASSEMBLIES, AND JUNCTION BOXES. MARRINGS SHALL BE PLACED EVERY 10 FEET, AT TURKS, ABOVE AND/OR BELOW PENTRATIONS, AND AT ALL PHOTOVOLTAIC CIRCUIT COMBINER AND JUNCTION BOXES.

4 SOLAR PHOTOVOLTAIC POWER SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH SECTIONS 605.11.1 THROUGH 605.11.2, THE CALIFORNIA BUILDING CODE, OR CALIFORNIA RESIDENTIAL CODE, AND CALIFORNIA ELECTRICAL CODE.

FIRE NOTES: (CHAPTER 12 OF CALIFORNIA FIRE CODE)

1204.4 - GROUND-MOUNTED PHOTOVOLTAIC ARRAYS SHALL COMPLY WITH SECTION 1204.1 AND THIS SECTION. SETBACK REQUIREMENTS SHALL NOT APPLY TO GROUND-MOUNTED, FREE-STANDING PHOTOVOLTAIC ARRAYS. A CLEAR, BRUSH-FREE AREA OF 10 FEET (3048 mm) SHALL BE REQUIRED FOR GROUND-MOUNTED PHOTOVOLTAIC ARRAYS.



### CONTRACTOR

**REVEL-ENERGY, INC.** 2323 MAIN ST. **IRVINE**, CA 92614 CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171

I HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON THESE PLANS IS IN CONFORMANCE WITH ALL CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA AND FURTHER, IF OMISSIONS OR ERRORS, ARE DISCOVERED. UNDERSTAND THAT THE WORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA PRIOR TO FINAL BUILDING INSPECTION.

SIGNATURE

DATE

STATE LICENSE NO. 1038433 / A, B, C10, C46



ARCH	ARCH D (24" X 36") PRINT PAPER SIZE					
NO.	DATE	DESCRIPTION	ELECT.	STRUC.		
	7/27/2021	INITIAL PLAN SET	A.L.			
	8/18/2021	1ST REVISIONS	A.L.			
	9/1/2021	1ST CORRECTIONS	A.L.			
	9/9/2021	2ND REVISIONS	A.L.			
$\square$						

SYSTEM INFO:

TOTAL SYSTEM SIZE: DC STC: 2373.10 KW TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW SOLAR MODULES: (4996) TRINA TSM-475DE15V(II) INVERTER(S): (31) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 1:

SYSTEM SIZE DC STC: 630.80 KW SYSTEM SIZE AC CEC: 581.05 KW SOLAR MODULES: (1328) TRINA TSM-475DE15V(II) INVERTER(S): (8) CPS SCA60TL-DO/US-480

SYSTEM (PLANT) 2:

SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 898.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 3:

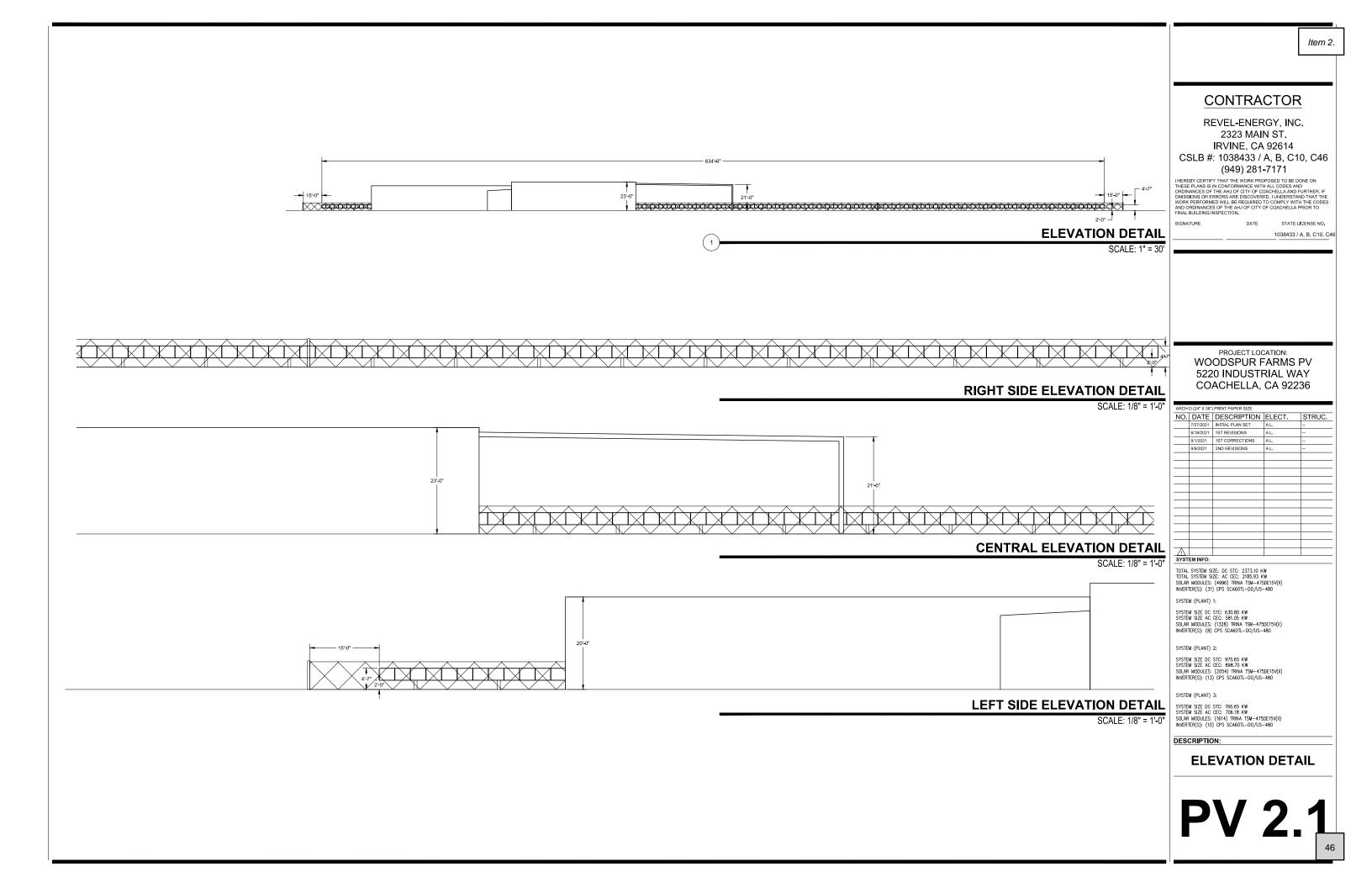
SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-D0/US-480

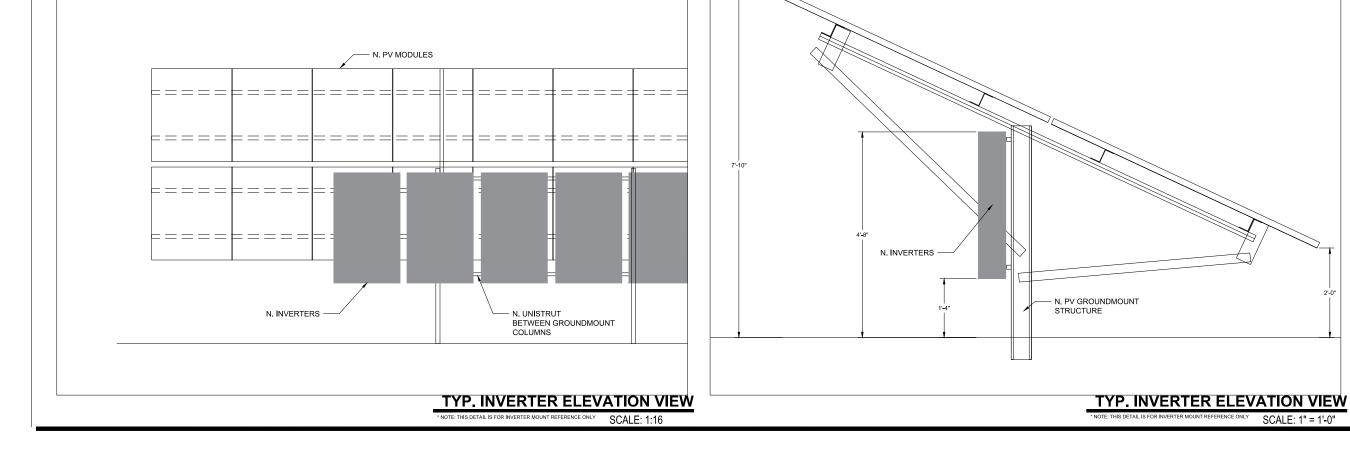
DESCRIPTION:



## **PV 2.0** 45

Item 2.

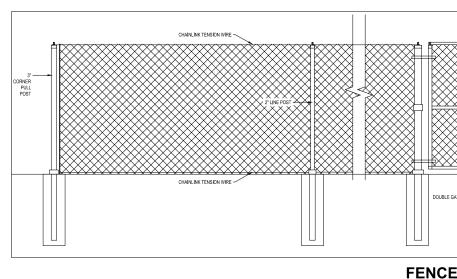


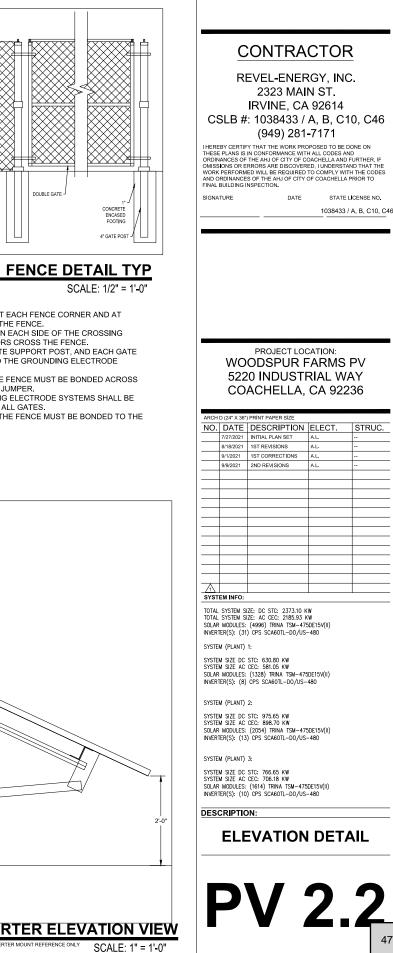


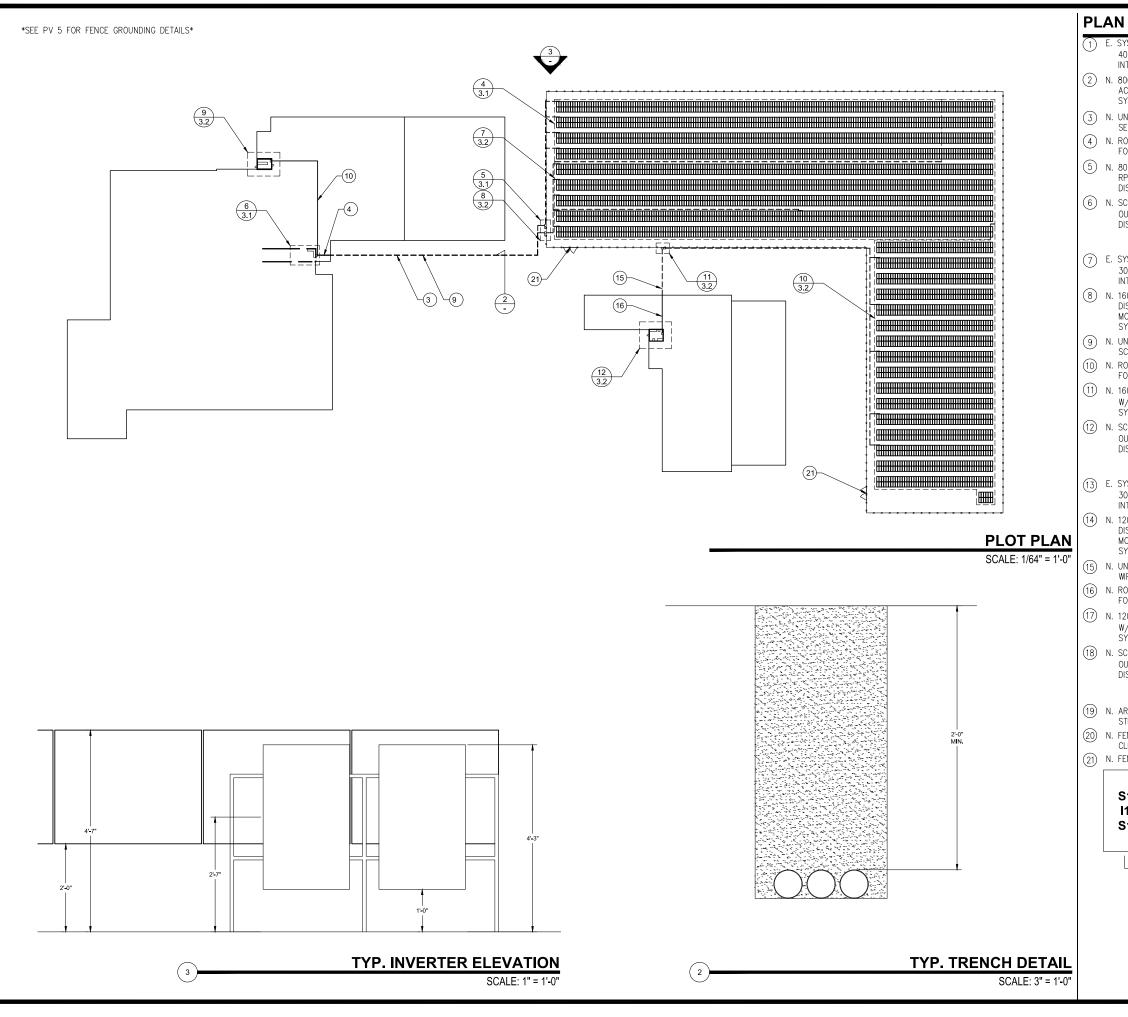
GROUNDING ELECTRODE SYSTEM. SEE PV5 FOR GROUNDING DETAILS

- THE OPENING BY A BURIED BONDING JUMPER. THE GROUNDING GRID OR GROUNDING ELECTRODE SYSTEMS SHALL BE 5. EXTENDED TO COVER THE SWING OF ALL GATES. 6. THE BARBED WIRE STRANDS ABOVE THE FENCE MUST BE BONDED TO THE
- ANY GATE OR OTHER OPENING IN THE FENCE MUST BE BONDED ACROSS 4.
- WHERE BARE OVERHEAD CONDUCTORS CROSS THE FENCE. GATES MUST BE BONDED TO THE GATE SUPPORT POST, AND EACH GATE 3. SUPPORT POST MUST BE BONDED TO THE GROUNDING ELECTRODE SYSTEM
- 1. BONDING JUMPERS ARE REQUIRED AT EACH FENCE CORNER AND AT MAXIMUM 160 FT. INTERVALS ALONG THE FENCE. 2. BONDING JUMPERS ARE REQUIRED ON EACH SIDE OF THE CROSSING
- FENCE NOTES:

DOUBLE GATE ·







### PLAN LEGEND

Item 2.

SYSTEM 1 IID METER 5DY3B-200247 4000A 480Y/277V 3P-4W SWITCHGEAR. INTERIOR. PÁD MOUNTED. 2 N. 800A 600V 3P/4W NON-FUSED PHOTOVOLTAIC AC DISCONNECT. INTERIOR. WALL MOUNTED. SYSTEM DISCONNECT 1 OF 2. 3 N. UNDERGROUND PVC SCH40 TO ROOFTOP EMT. SEE PV4.0 FOR WIRE SCHEDULE. (4) N. ROOFTOP EMT TO ELECTRICAL ROOM. SEE PV4.0 FOR WIRE SCHEDULE. N. 800A 480Y/277V PV COMBINER SWITCHGEAR W/ RPU METER SOCKET SYSTEM. (949) 281-7171 DISCONNECT 2 OF 2 6 N. SCA60TL-DO/US-480 PV INVERTERS. OUTDOOR RATED W/INTEGRATED DC & AC DISCONNECTS. ARRÁY MOUNTED. SIGNATURE DATE (7) E. SYSTEM 2 IID METER 5DY3B-200511 3000A 480Y/277V 3P-4W SWITCHGEAR. INTERIOR. PÁD MOUNTED. N. 1600A 600V 3P/4W FUSED PHOTOVOLTAIC AC DISCONNECT. 1600A FUSES. INTERIOR. WALL MOUNTED. SYSTEM DISCONNECT 1 OF 2. (9) N. UNDERGROUND PVC SCH40. SEE PV4.1 FOR WIRE SCHEDULE. (10) N. ROOFTOP EMT TO ELECTRICAL ROOM. SEE PV4.1 FOR WIRE SCHEDULE. (1) N. 1600A 480Y/277V PV COMBINER SWITCHGEAR W/ RPU METER SOCKET. SYSTEM DISCONNECT 2 OF 2. (12) N. SCA60TL-DO/US-480 PV INVERTERS. OUTDOOR RATED W/INTEGRATED DC & AC DISCONNECTS. ARRÁY MOUNTED. (13) E. SYSTEM 3 IID METER 5DY3B-200438 3000A 480Y/277V 3P-4W SWITCHGEAR. INTERIOR. PAD MOUNTED. (14) N. 1200A 600V 3P/4W FUSED PHOTOVOLTAIC AC DISCONNECT. 1000A FUSES. INTERIOR. WALL MOUNTED. SYSTEM DISCONNECT 1 OF 2. 15 N. UNDERGROUND PVC SCH40. SEE PV4.2 FOR WIRE SCHEDULE. (16) N. ROOFTOP EMT TO ELECTRICAL ROOM. SEE PV4.2 FOR WIRE SCHEDULE. (17) N. 1200A 480Y/277V PV COMBINER SWITCHGEAR W/ RPU METER SOCKET. SÝSTEM DISCONNECT 2 OF 2. SYSTEM INFO: (18) N. SCA60TL-DO/US-480 PV INVERTERS. OUTDOOR RATED W/INTEGRATED DC & AC DISCONNECTS. ARRAY MOUNTED. SYSTEM (PLANT) 1: (19) N. ARRAY "A". 4410 MODULES MOUNTED ON STRUCTURE. N. FENCELINE AROUND ARRAY "A". 15' CLEARANCE FROM ARRAY. SYSTEM (PLANT) 2: (21) N. FENCE GATE. **S1** - DENOTES SYSTEM NUMBER SYSTEM (PLANT) 3: 11 - DENOTES INVERTER NUMBER SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW **S1** - DENOTES STRING NUMBER DESCRIPTION: - PHOTOVOLTAIC MODULE \_\_\_\_ \_\_\_\_ .... \_\_\_\_

### CONTRACTOR

**REVEL-ENERGY, INC.** 2323 MAIN ST. **IRVINE**, CA 92614 CSLB #: 1038433 / A, B, C10, C46

I HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON THESE PLANS IS IN CONFORMANCE WITH ALL CODES AND ORDINANCES OF THE AH JO CITY OF COACHELLA AND FURTHER, IF OMISSIONS OR ERRORS ARE DISCOVERED, LUNDERSTAND THAT THE WORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE CODES AND ORDINANCES OF THE AH J OF CITY OF COACHELLA PRIOR TO FINAL BUILDING INSPECTION.

STATE LICENSE NO. 1038433 / A, B, C10, C46

PROJECT LOCATION: WOODSPUR FARMS PV 5220 INDUSTRIAL WAY COACHELLA, CA 92236

ARCH	ARCH D (24" X 36") PRINT PAPER SIZE					
NO.	DATE	DESCRIPTION	ELECT.	STRUC.		
	7/27/2021	INITIAL PLAN SET	A.L.			
	8/18/2021	1ST REVISIONS	A.L.			
	9/1/2021	1ST CORRECTIONS	A.L.			
	9/9/2021	2ND REVISIONS	A.L.			
Δ						

TOTAL SYSTEM SIZE: DC STC: 2373.10 KW TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW SOLAR MODULES: (4996) TRINA TSM-475DE15V(II) INVERTER(S): (31) CPS SCA60TL-D0/US-480

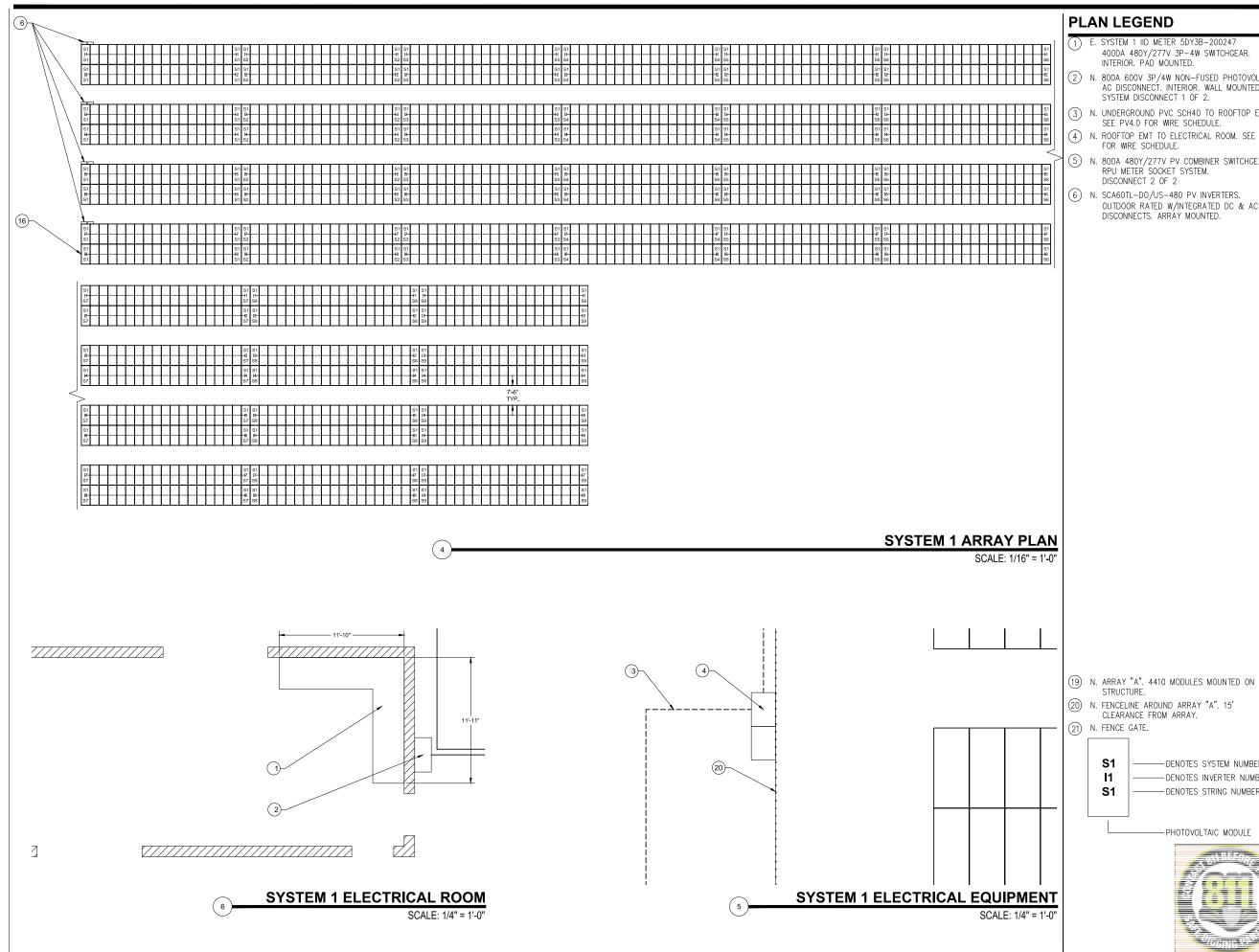
SYSTEM SIZE DC STC: 630.80 KW SYSTEM SIZE AC CEC: 581.05 KW SOLAR MODULES: (1328) TRINA TSM-475DE15V(II) INVERTER(S): (8) CPS SCA60TL-DO/US-480

SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 888.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-D0/US-480







### PLAN LEGEND

. SYSTEM 1 IID METER 5DY3B-200247 4000A 480Y/277V 3P-4W SWITCHGEAR. INTERIOR. PÁD MOUNTED.

2 N. 800A 600V 3P/4W NON-FUSED PHOTOVOLTAIC AC DISCONNECT. INTERIOR. WALL MOUNTED. SYSTEM DISCONNECT 1 OF 2.

(3) N. UNDERGROUND PVC SCH40 TO ROOFTOP EMT. SEE PV4.0 FOR WIRE SCHEDULE.

(4) N. ROOFTOP EMT TO ELECTRICAL ROOM. SEE PV4.0 FOR WIRE SCHEDULE.

N. 800A 480Y/277V PV COMBINER SWITCHGEAR W/ RPU METER SOCKET SYSTEM. DISCONNECT 2 OF 2

N. SCA60TL-DO/US-480 PV INVERTERS. OUTDOOR RATED W/INTEGRATED DC & AC DISCONNECTS. ARRAY MOUNTED.

## CONTRACTOR

REVEL-ENERGY, INC. 2323 MAIN ST. **IRVINE**, CA 92614 CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171

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SIGNATURE

DATE

STATE LICENSE NO. 1038433 / A, B, C10, C46

PROJECT LOCATION: WOODSPUR FARMS PV 5220 INDUSTRIAL WAY COACHELLA, CA 92236

ARCH	ARCH D (24" X 36") PRINT PAPER SIZE						
NO.	DATE	DESCRIPTION	ELECT.	STRUC.			
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	9/1/2021	1ST CORRECTIONS	A.L.				
	9/9/2021	2ND REVISIONS	A.L.				
-							
$\overline{\Lambda}$							
SYST	SYSTEM INFO:						

TOTAL SYSTEM SIZE: DC STC: 2373.10 KW TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW SOLAR MODULES: (4996) TRINA TSM-475DE15V(II) INVERTER(S): (31) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 1:

SYSTEM SIZE DC STC: 630.80 KW SYSTEM SIZE AC CEC: 581.05 KW SOLAR MODULES: (1328) TRINA TSM-475DE15V(II) INVERTER(S): (8) CPS SCA60TL-DO/US-480

SYSTEM (PLANT) 2:

DESCRIPTION:

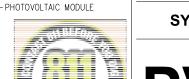
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SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 898.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 3:

49

**SYSTEM 1 PLAN** 



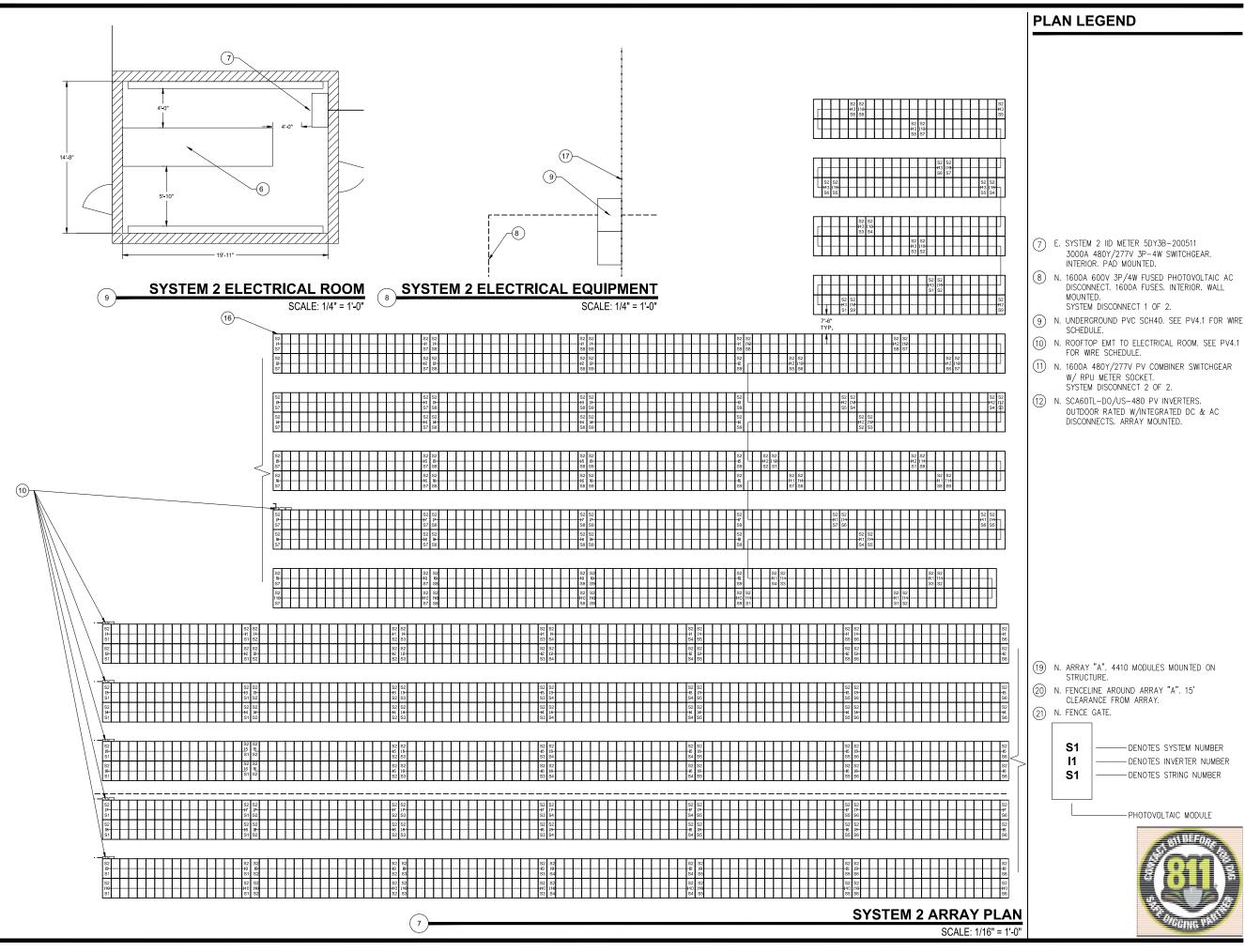
- DENOTES SYSTEM NUMBER

- DENOTES STRING NUMBER

للنوري

- DENOTES INVERTER NUMBER

Item 2.



### CONTRACTOR

### **REVEL-ENERGY, INC.** 2323 MAIN ST. **IRVINE**, CA 92614 CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171

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SIGNATURE

DATE

STATE LICENSE NO. 1038433 / A, B, C10, C46

### PROJECT LOCATION: WOODSPUR FARMS PV 5220 INDUSTRIAL WAY COACHELLA, CA 92236

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	9/9/2021	2ND REVISIONS	A.L.				
$\overline{\Lambda}$							
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SYSTEM (PLANT) 2:

SYSTEM (PLANT) 3:

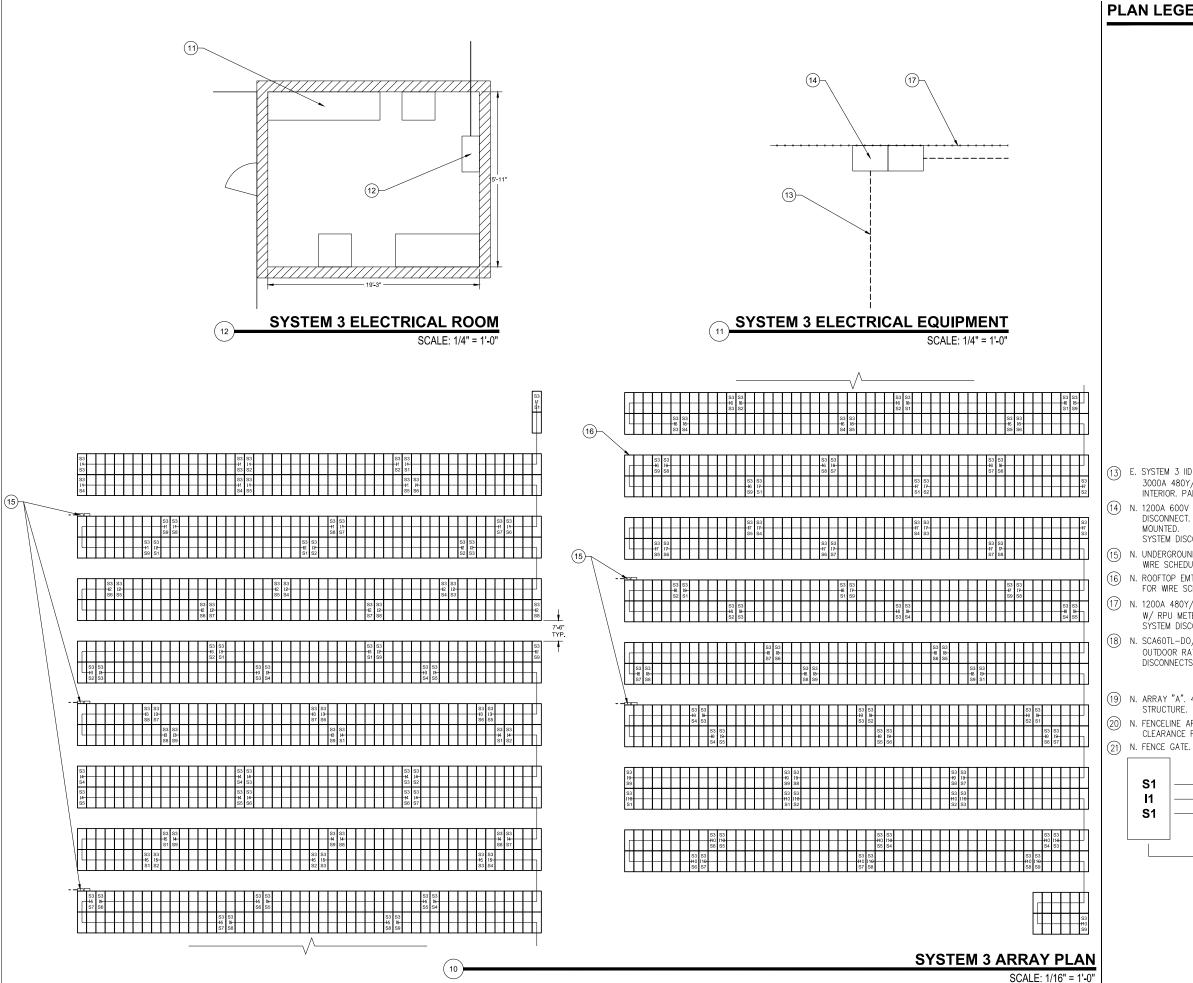
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SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 898.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-D0/US-480

PV 3

**SYSTEM 2 PLAN** 



### PLAN LEGEND

Item 2.

		С	ONTRA	асто	R	
	REVEL-ENERGY, INC. 2323 MAIN ST. IRVINE, CA 92614					
	C	SLB #	: 1038433 (949) 28		10, C46	
	I HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON THESE PLANS IS IN CONFORMANCE WITH ALL CODES AND ORDINANCES OF THE AIN OF CITY OF COACHELLA AND FUNDTHAT THE OF COMPARISHING THE OF COMPARISHING THAT THE WORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE CODES AND ORDINANCES OF THE AIN OF CITY OF COACHELLA PRIOR TO FINAL BUILDING INSPECTION.					
	SIGNA		DATE		E LICENSE NO. 8 / A, B, C10, C4	
		522	PROJECT LO ODSPUR 0 INDUST ACHELLA	FARMS	/AY	
			) PRINT PAPER SIZE	N ELECT.	STRUC.	
B-200438 SWITCHGEAR.		7/27/2021 8/18/2021 9/1/2021	INITIAL PLAN SET 1ST REVISIONS 1ST CORRECTIONS	A.L. A.L. A.L.	 	
PHOTOVOLTAIC AC . INTERIOR. WALL		9/9/2021	2ND REVISIONS	A.L.		
2. . SEE PV4.2 FOR						
CAL ROOM. SEE PV4.2						
IBINER SWITCHGEAR						
2.		EM INFO:				
INVERTERS. RATED DC & AC NTED.	TOTAL SOLAF	. System S R Modules:	IZE: DC STC: 2373.10 IZE: AC CEC: 2185.93 (4996) TRINA TSM-4 ) CPS SCA60TL-DO/U	5 KW \$75DE15V(II)		
		M (PLANT)				
S MOUNTED ON	SYSTE	IM SIZE AC R MODULES:	STC: 630.80 KW CEC: 581.05 KW (1328) TRINA TSM-4 CPS SCA60TL-DO/U			
"A". 15'	SYSTE	M (PLANT)	2:			
	SYSTE SYSTE SOLAF	M SIZE DC M SIZE AC R MODULES:	STC: 975.65 KW CEC: 898.70 KW (2054) TRINA TSM-4			
SYSTEM NUMBER				55 100		
INVERTER NUMBER STRING NUMBER	SYSTE	IM (PLANT) IM SIZE DC IM SIZE AC	3: STC: 766.65 KW CEC: 706.18 KW			
STRING NOMBER	SOLAF	R MODULES:	(1614) TRINA TSM-4 ) CPS SCA60TL-DO/U			
TAIC MODULE	DES			0.01.5		
STILL DO		S	YSTEM	3 PLA	<b>N</b>	
<u>m</u>						
				2	2	

51

(13) E. SYSTEM 3 IID METER 5DY3B 3000A 480Y/277V 3P-4W INTERIOR. PAD MOUNTED.

(14) N. 1200A 600V 3P/4W FUSED DISCONNECT. 1000A FUSES. MOUNTED.

SYSTEM DISCONNECT 1 OF

(15) N. UNDERGROUND PVC SCH40. WIRE SCHEDULE.

(16) N. ROOFTOP EMT TO ELECTRICA FOR WIRE SCHEDULE.

(17) N. 1200A 480Y/277V PV COME W/ RPU METER SOCKET. SYSTEM DISCONNECT 2 OF

(18) N. SCA60TL-DO/US-480 PV IN OUTDOOR RATED W/INTEGRA DISCONNECTS. ARRAY MOUN

(19) N. ARRAY "A". 4410 MODULES STRUCTURE.

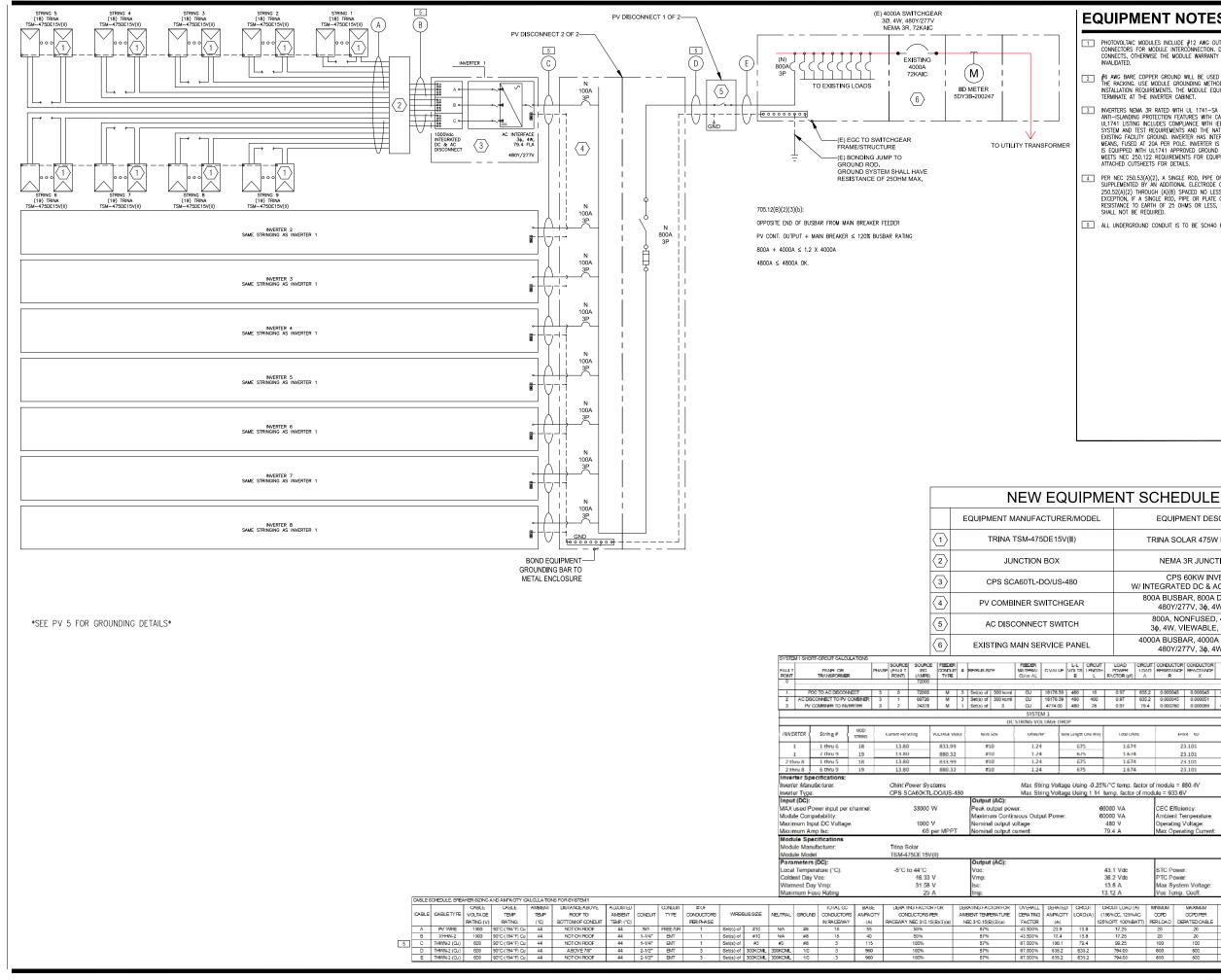
> N. FENCELINE AROUND ARRAY CLEARANCE FROM ARRAY.

**S1** 11

- DENOTES – DENOTES - DENOTES

PHOTOVOL





### **EQUIPMENT NOTES**

PHOTOVOLTAIC MODULES INCLUDE #12 AWG OUTDOOR RATED MC4 CONNECTORS FOR MODULE INTERCONNECTION. DO NOT REMOVE THE QUICK CONNECTS, OTHERWISE THE MODULE WARRANTY AND THE UL LISTING WILL BE

☐ #6 AWG BARE COPPER GROUND WILL BE USED AS EQUIPMENT GROUND FOR THE RACKING, USE MODULE GROUNDING METHODS PER MANUFACTURERS INSTALLATION REQUIREMENTS. THE MODULE GROUPMENT GROUND SHALL TERMINATE AT THE INVERTER CABINET.

3 INVERTERS NEMA 3R RATED WITH UL 1741-SA LISTING INCLUDING INTERNAL INVERTERS NEMA 3R RATED WITH UL 1741–5A LISTING INCLUDING INTERNAL ANTI-ISLANDING PROTECTION FEATURES WITH CA RULE 21 COMPLIANCE. UL1741 LISTING INCLUDES COMPLIANCE WITH IEEE1547 FOR INTERCONNECTION SYSTEM AND TEST REQUIRENTISS AND THE ANTIONAL ELECTRIC CODE. TED TO EXISTING FACILITY GROUND. INVERTER HAS INTERNAL DC DISCONNECTION MEANS, FUSED AT 20A PER POLE. INVERTER IS UL LISTED AS A UNIT. UNIT IS 60JIPPED WITH UL1741 APPROVED GROUND FAULT DETECTION DEVICE THAT MEETS NEC 250.122 REQUIREMENTS FOR EQUIPMENT GROUNDING. NOTE: SEE ATTACHED CUTSHEETS FOR DETAILS.

PER NEC 250.53(A)(2), A SINGLE ROD, PIPE OR PLATE ELECTRODE SHALL BE SUPPLEMENTED BY AN ADDITIONAL ELECTRODE OF TYPE SPECIFIED IN 250.52(A)(2) THROUGH (A)(8) SPACED NO LESS THAN 6FT APART. EXCEPTION, IF A SINGLE ROD, PIPE OR PLATE GROUNDING ELECTRODE HAS A RESISTANCE TO EARTH OF 25 OHMS OR LESS, THE SUPPLEMENTAL ELECTRODE SHALL NOT BE FEORUMENTAL FLORE OF THE SUPPLEMENTAL ELECTRODE SHALL NOT BE FEORUMENTAL FLORE AND ADDITIONAL SUPPLEMENTAL ELECTRODE SHALL NOT BE REQUIRED.

5 ALL UNDERGROUND CONDUIT IS TO BE SCH40 PVC.

### CONTRACTOR

### **REVEL-ENERGY, INC.** 2323 MAIN ST. **IRVINE**, CA 92614 CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171

I HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON THESE PLANS IS IN CONFORMANCE WITH ALL CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA AND FURTHER, IF OMISSIONS OR ERRORS ARE DISCOVERED. UNDERSTAND THAT THE WORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE CODES AND ORDINANCES OF THE AHJ OF CITY OF COACHELLA PRIOR TO FINAL BUILDING INSPECTION.

SIGNATURE

DATE

STATE LICENSE NO. 1038433 / A, B, C10, C46





ARCH	ARCH D (24" X 36") PRINT PAPER SIZE					
NO.	DATE	DESCRIPTION	ELECT.	STRUC.		
	7/27/2021	INITIAL PLAN SET	A.L.			
	8/18/2021	1ST REVISIONS	A.L.			
	9/1/2021	1ST CORRECTIONS	A.L.			
	9/9/2021	2ND REVISIONS	A.L.			
$\Lambda$						

SYSTEM INFO: TOTAL SYSTEM SIZE: DC STC: 2373.10 KW TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW SOLAR MODULES: (4996) TRINA TSM-475DE15V(II) INVERTER(S): (31) CPS SCA60TL-D0/US-480

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SYSTEM SIZE DC STC: 630.80 KW SYSTEM SIZE AC CEC: 581.05 KW SOLAR MODULES: (1328) TRINA TSM-475DE15V(II) INVERTER(S): (8) CPS SCA60TL-DO/US-480

SYSTEM (PLANT) 2:

SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 898.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 3:

SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-D0/US-480

DESCRIPTION:



## **PV 4.0** 52

EQUIPMENT DESCRIPTION

TRINA SOLAR 475W PV MODULE

NEMA 3R JUNCTION BOX

CPS 60KW INVERTER W/ INTEGRATED DC & AC DISCONNECTS

800A BUSBAR, 800A DISCONNECT, 480Y/277V, 36, 4W, 42KAIC 800A, NONFUSED, 480Y/277V

36, 4W, VIEWABLE, LOCKABLE 4000A BUSBAR, 4000A DISCONNECT,

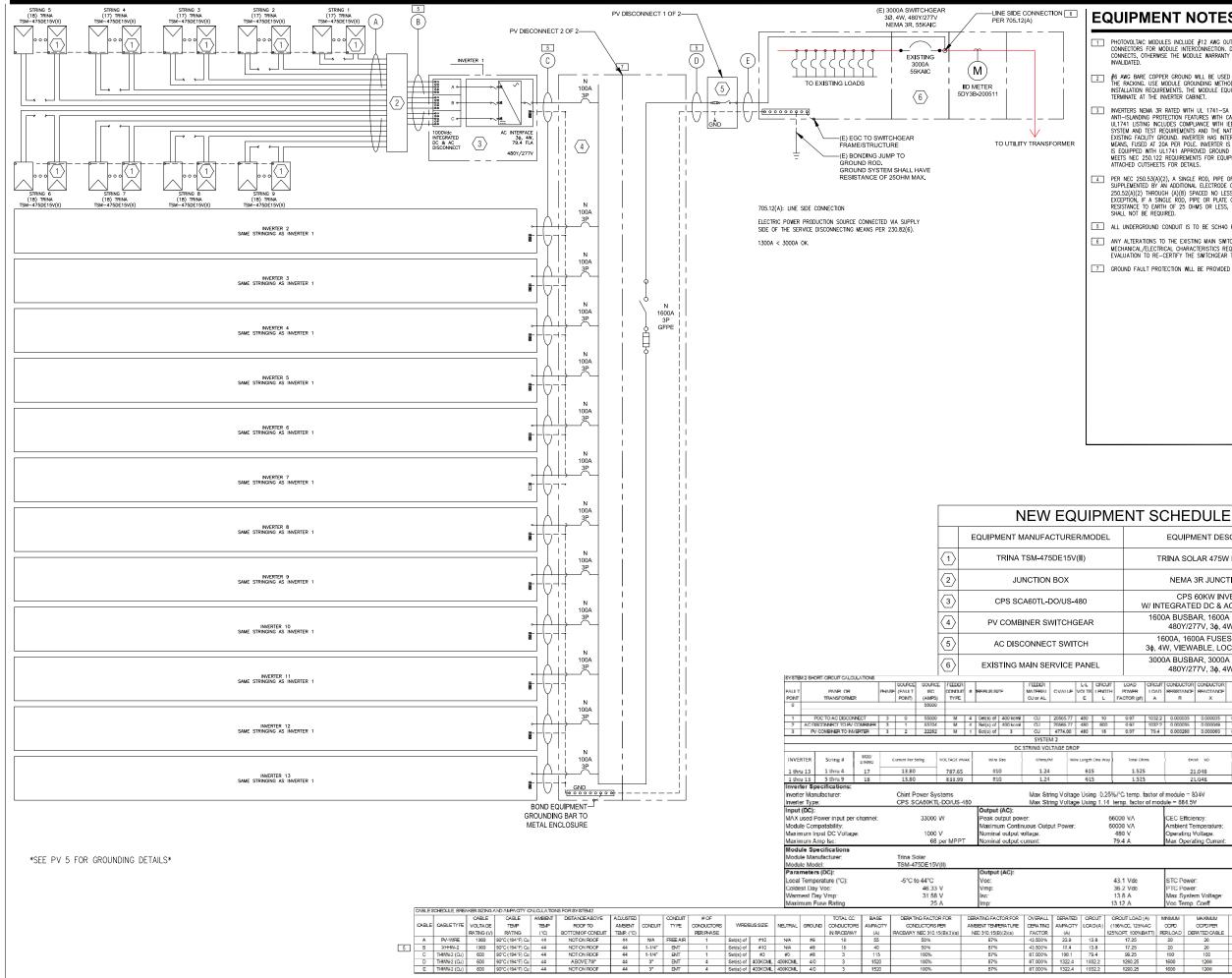
	4001/2/1V, 30, 4VV, 72KAIC						
	AD CRCUIT CONDUCTOR CONDUCTOR FAULT						
						FAULT	
VFR		REDISTANCE	REACTANCE			CLERRENT	FAU T
R (pf)	~	R	X	f	M	ISC	PONT

0
. ° .
1
2
3

I-stal Uhms	E=bcR VD	SVD
1.674	23.101	2.770%
1.6/4	23.101	2.624%
1.674	23.101	2.770%
1.674	23.101	2.624%

VA CEC Efficiency: VA Ambient Temperature: V Operating Voltage: A Max Operating Current:	98.5 % -30°C to +60°C 480V-3Phase 79.4A-3Phase	
---	---	--

1 Vdc	STC P			475 W	
2 Vdc	PTC P	ower:		411.2 W	
8 A	Max S	ystem Voltage:	1500 V		
2 A 2	Voc To	-0.25 %/°C			C
JII LOAD (A)	MINIMUM	MAXIMUM	ESI.	VOL IAGE	IOIAL
DC, 125%AC	OCIPIO	OCPDIPER	DISTAINCE	DROP	V.D.
чт, 100%BATT)	PERLOAD	DERATED CABLE	FT	96V D	%VDCUM
17.25	20	20	500	SEE DO	VNDND
17.25	20	20	175	SEE DC VDROP	
99.25	100	100	25	0.18%	0.18%
794.00	800	800	400	1.38%	1.55%
794.00	800	800	10	0.03%	1,59%



### **EQUIPMENT NOTES**

PHOTOVOLTAIC MODULES INCLUDE #12 AWG OUTDOOR RATED MC4 CONNECTORS FOR MODULE INTERCONNECTION. DO NOT REMOVE THE QUICK CONNECTS, OTHERWISE THE MODULE WARRANTY AND THE UL LISTING WILL BE

☐ #6 AWG BARE COPPER GROUND WILL BE USED AS EQUIPMENT GROUND FOR THE RACKING. USE MODULE GROUNDING METHODS PER MANUFACTURERS INSTALLATION REQUIREMENTS. THE MODULE EQUIPMENT GROUND SHALL TERMINATE AT THE INVERTER CABINET.

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7 GROUND FAULT PROTECTION WILL BE PROVIDED PER 230.95.

### CONTRACTOR

**REVEL-ENERGY, INC.** 2323 MAIN ST. **IRVINE, CA 92614** CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171

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SIGNATURE

DATE

STATE LICENSE NO. 1038433 / A, B, C10, C46



### PROJECT LOCATION: WOODSPUR FARMS PV 5220 INDUSTRIAL WAY COACHELLA, CA 92236

ARCH D (24" X 36") PRINT PAPER SIZE						
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DESCRIPTION:

SYSTEM 2 SLD

# 53

EQUIPMENT DESCRIPTION

TRINA SOLAR 475W PV MODULE

NEMA 3R JUNCTION BOX

CPS 60KW INVERTER W/ INTEGRATED DC & AC DISCONNECTS 1600A BUSBAR, 1600A DISCONNECT, 480Y/277V, 36, 4W, 42KAIC 1600A, 1600A FUSES, 480Y/277V, 36, 4W, VIEWABLE, LOCKABLE, 55KAIC 3000A BUSBAR, 3000A DISCONNECT,

480Y/277V, 3¢, 4W, 55KAIC

.OAD	CIRCUIT	CONDUCTOR	CONDUCTOR			FAULT	
OWER	LOVD	REGISTANCE	REACTANCE			CLERENT	FAU T
TOR (pf)	A	R	х	f	м	ISC	POINT
						55000	0
0.97	1032.2	0.000035	0.000035	0.024	0.98	53704	1
0.97	1032.2	0 000035	0.000049	1 413	0.41	22252	2
0.97	79.4	0.000250	0.000059	0.252	0.80	17769	3
Total Oh	ms	) E=D	ck WD	-)		99VD	
1.525		21	1.048		2.	572%	
1.525		21.048			2.	524%	
temp, i	actor of	module = 8	34V				
factor of module = 884.5V							
. 100101	or mou	001.01					-
						-	
V.A.		CEC Efficie				.5 %	
VA		Ambient Te	mperature:	-30°C to +60°C			

480V-3Phase

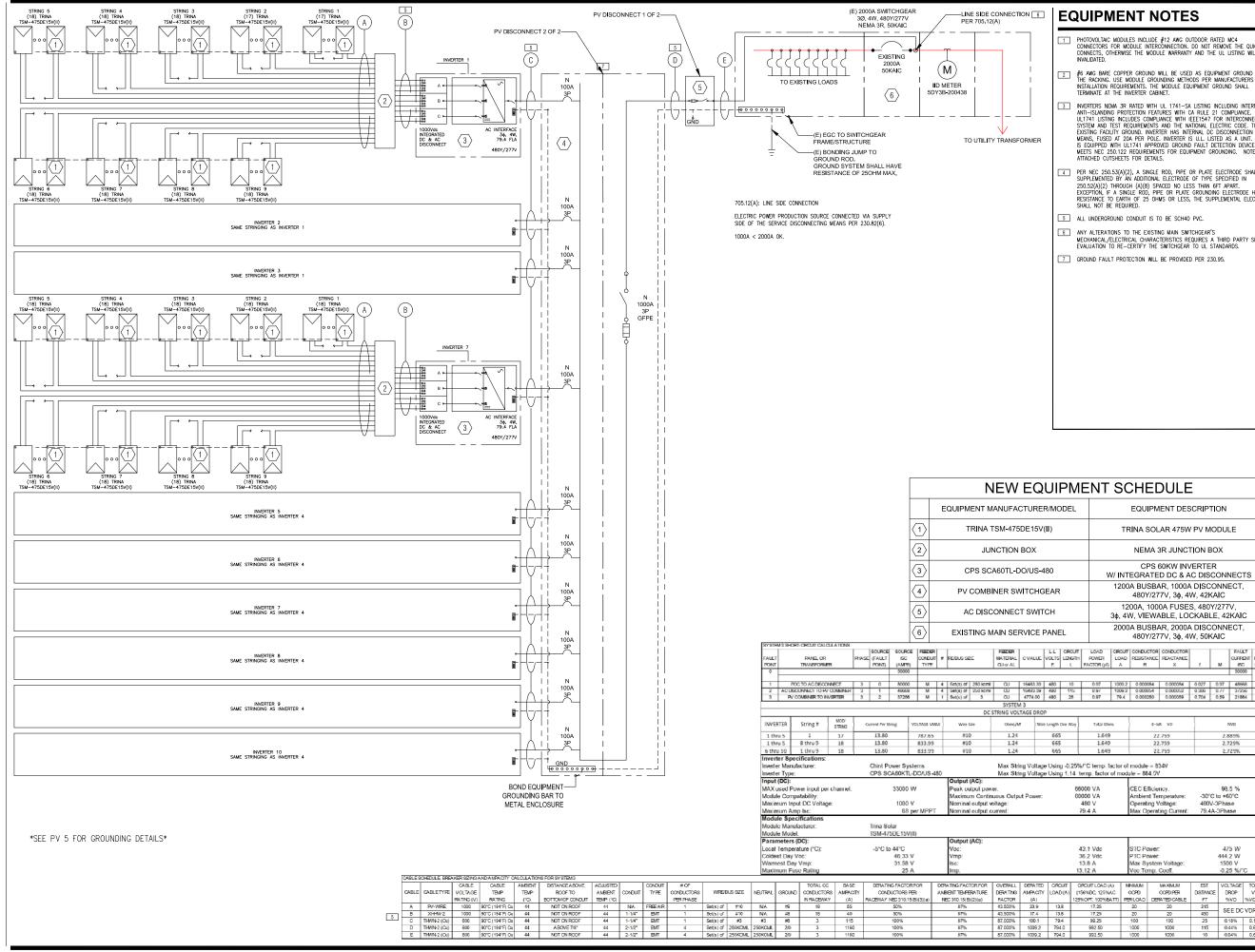
79 44-3Ph

Vdc	STC P	ower:		475 W	i
2 Vdc	PTC P	ower:		444.2 W	
A	Max S	vstem Voltage:		1500 V	
A	Voc Te	mp. Coeff.	-0.25 %/°C		
IT LOAD (A)	MNMM	MAXMUM	EST.	VOLTAGE	TOTAL
DC, 125%AC	OCIPIO	OCPDIPER	DISTANCE	DROP	V.D.
PT, 100%BATT)	PERLOAD	DERATED CABLE	FT	%VD	%VDCUM
17.25	20	20	500	err po	VDROP
17.25	20	20	115		- VDINOI
99.25	100	100	15	0.11%	0.11%
1290.25	1600	1200	600	1.96%	2.06%
290.25	1600	1200	10	0.03%	2.10%

Operating Voltage:

ar Onerating Ourrent





### EQUIPMENT NOTES

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[7] GROUND FAULT PROTECTION WILL BE PROVIDED PER 230.95.

### CONTRACTOR

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SIGNATURE

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SYSTEM (PLANT) 2:

SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 898.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 3:

SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-D0/US-480

DESCRIPTION:

### SYSTEM 3 SLD

## **PV 4.2** 54

### EQUIPMENT DESCRIPTION

TRINA SOLAR 475W PV MODULE

NEMA 3R JUNCTION BOX

CPS 60KW INVERTER W/ INTEGRATED DC & AC DISCONNECTS 1200A BUSBAR, 1000A DISCONNECT, 480Y/277V, 3¢, 4W, 42KAIC 1200A, 1000A FUSES, 480Y/277V 36, 4W, VIEWABLE, LOCKABLE, 42KAIC 2000A BUSBAR, 2000A DISCONNECT,

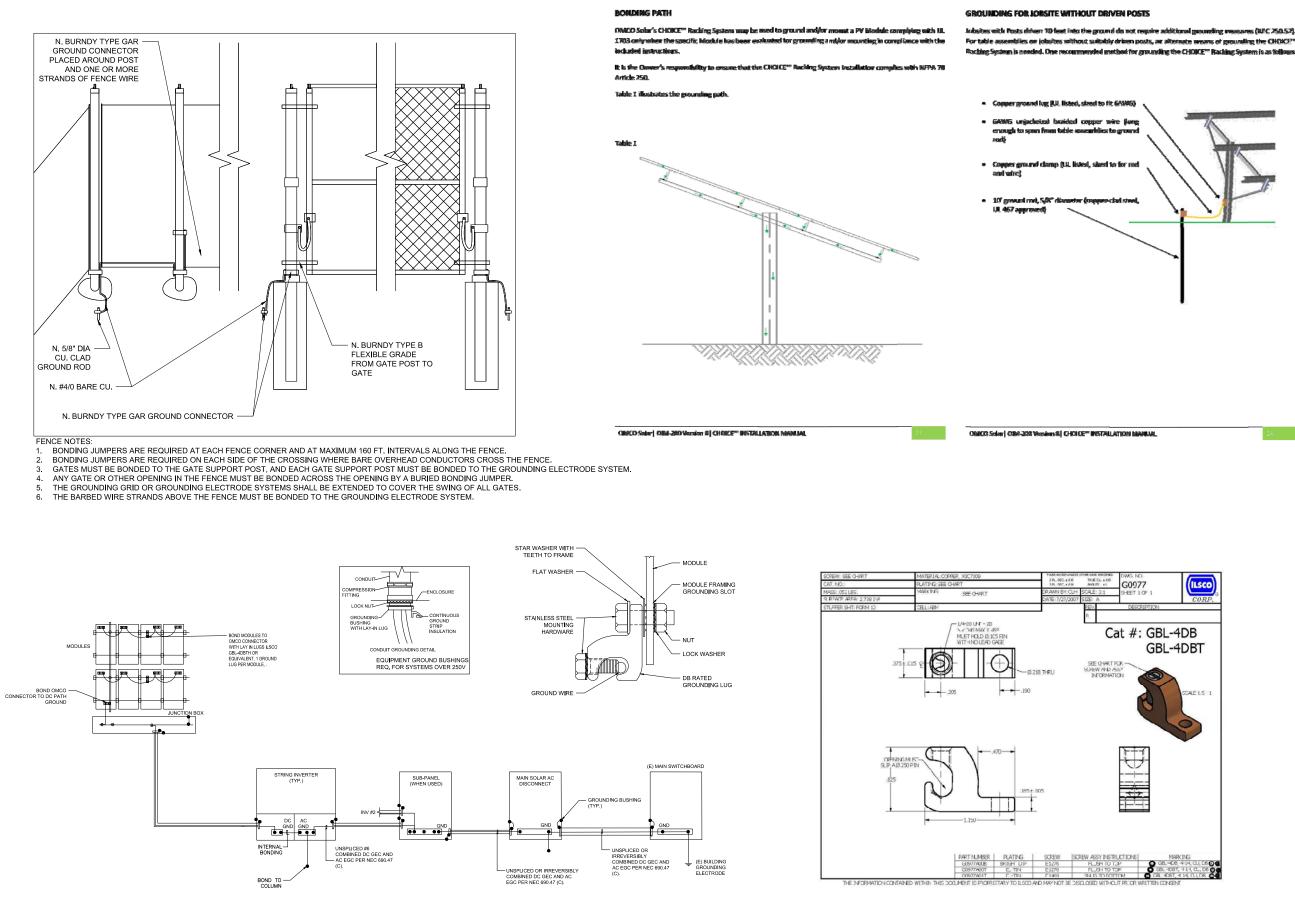
480Y/277V, 3ø, 4W, 50KAIC

OWER	LOAD	REGISTANCE	REACTANCE			CURRENT	FAULT	
TOR (pf)	A	R	х	f	м	ISC	PONT	
						50000	0	1
0.97	1009.2	0.000054	0.000054	0.027	0.97	48668	1	
0.9/	1009.2	0.000054	0.000052	0.306	0.77	3/256	2	1
0.97	79.4	0.000250	0.000059	0.704	0.59	21884	3	
0.97	79.4	0.000280	0.000089	0.704	0.89	21864	3	

1.649 22.759	2.889%
1.649 22.759	2.729%
1.649 22.759	2.729%

VA	CEC Efficiency.	98.5 %
VA	Ambient Temperature:	-30°C to +60°C
v	Operating Voltage:	480V-3Phase
	Max Operating Current:	79.4A-3Phase

Vdc STC Power: Vdc PTC Power: A Max System Voltage: A Voc Temp. Coeff.				475 ₩ 444.2 W 1500 ¥ -0.25 %/	2
A	VOC TE	mp. Coeii.		-0.23 %/	6
IT LOAD (A)	MNMJM	MAXMUM	EST.	VOLTAGE	TOTAL
DC, 125%AC	OCPD	OCPD PER	DISTANCE	DROP	V.D.
T, 100%BATT)	PERILOAD	DERATED CABLE	FT	%VD	%VDCUM
17.25	20	20	215	0000.000	MODOD
17.25	20	20	450	SEE DC VDROP	
99.25	100	100	25	0.18%	0.18%
99.2.50	1000	1000	115	0.44%	0.62%
99:2.50	1000	1000	10	0.04%	0.66%



For table assemblies or jobsites without suitably driven posts, at alternate means of grounding the CHO/CE" Rocking System is needed. One recommended method for any unding the CHOICE<sup>®</sup> Racking System is as follows:

ILSCO G0977 Cat #: GBL-4DB GBL-4DBT 4E1.5 0 \*\* MARKING GEL-066, 414, 0. GEL-067, 414, 0. GEL-067, 414, 0. GEL-067, 414, 0.

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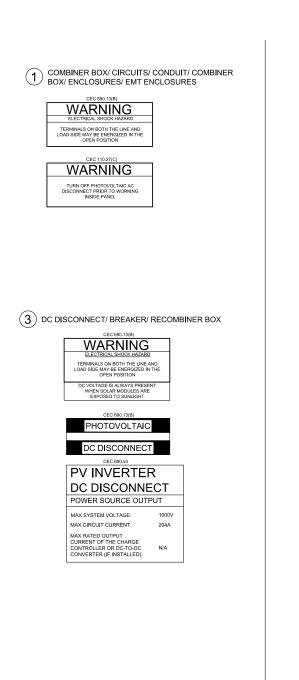
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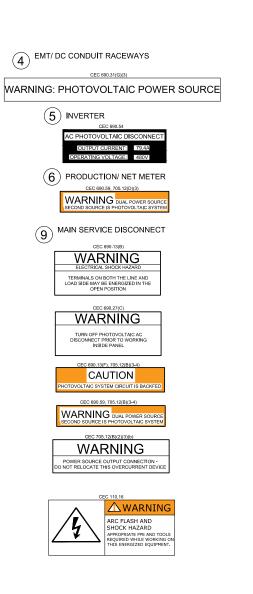
SYSTEM (PLANT) 3:

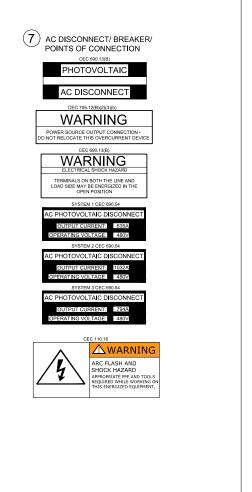
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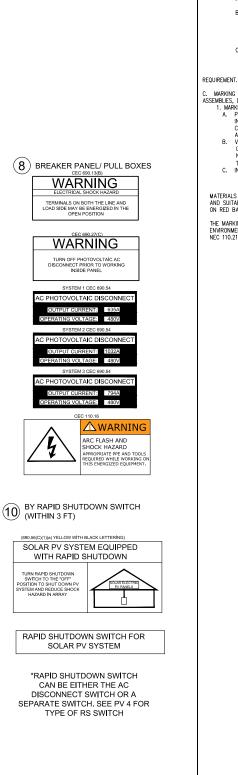
SYSTEM (PLANT) 2:

DESCRIPTION: GROUNDING **PV** 5









### SIGNAGE REQUIREMENTS

### **GENERAL FIRE GUIDELINES &**

### MARKING REQTS:

SEC. 5. MARKINGS, LABELS, AND WARNING SIGNS. A. PURPOSE: PROVIDES EMERGENCY RESPONDERS WITH APPROPRIATE WARNING AND QUIDANCE WITH RESPECT TO ISOLATING THE SOLAR ELECTRICAL SYSTEM. THIS CAN FACILITATE IDENTIFYING EMERGIZED ELECTRICAL LIMES THAT CONNECT THE SOLAR PANELS TO THE INVERTER, AS THESE SHOULD NOT BE CUT WHEN VENTING FOR SMOKE REMOVAL.

B. MAIN SERVICE DISCONNECT:

MAIN SERVICE UISCONNECT: 1. RESIDENTIAL BUILDINGS: THE MARKING MAY BE PLACED WITHIN THE MAIN SERVICE DISCONNECT. THE MARKING SHALL BE PLACED ON THE OUTSIDE COVER IF THE MAIN SERVICE DISCONNECT IS OPERABLE WITH THE SERVICE DAVIEL OF THE MAIN SERVICE DISCONNECT IS OPERABLE WITH THE SERVICE

COVER IF THE MAIN SERVICE DISCONNECT IS OPERABLE WITH THE SERVICE. PANEL CLOSED. 2. COMMERCIAL BUILDINGS: THE MARKING SHALL BE PLACED ADJACENT TO THE MAIN SERVICE DISCONNECT CLEARLY VISIBLE FROM THE LOCATION WHERE THE LEVER IS OPERATED. 3. MARKINGS: VERBIAGE, FORMAT, AND TYPE OF MATERIAL. A. VERBIAGE: CAUTION: SOLAR ELECTRIC SYSTEM CONNECTED B. FORMAT: (1) WHITE LETTERING ON A RED BACKGROUND. (2) MINIMUM 3/8 INCHES LETTER HEIGHT. (3) ALL LETTERS SHALL BE CAPITALZED. (4) ARIL OR SMILAF FORT, NON-BOLD.

- (4) ARIAL OR SIMILAR FONT, NON-BOLD.
   C. MATERIAL:
- MALEKUL: (1) REFLECTIVE, WEATHER RESISTANT MATERIAL SUITABLE FOR THE ENVRONMENT (USE UL -- 969 AS STANDARD FOR WEATHER RATING). DURABLE ADHESIVE MATERIALS MEET THIS

NACONCURRENTS ON DC CONDUIT, RACEWAYS, ENCLOSURES, CABLE ASSEMBLES, DC COMBINERS, AND JUNCTION BOXES:
 MARKINGS: PLACEMENT, VERBIAGE, FORMAT, AND TYPE OF MATERIAL. A. PLACEMENT: MARKINGS SHALL BE PLACED EVERY 10 FEET ON ALL INTERIOR AND EXTERIOR DC CONDUITS, RACEWAYS, ENCLOSURES, AND CABLE ASSEMBLES, AT URINS, ADOVE AND FOR BELOW PENETRATIONS, ALL DC COMBINERS, AND JUNCTION BOXES.
 B. VERBIAGE: CAUTION: SOLAR CIRCUIT NOTE: THE FORMAT AND TYPE OF MATERIAL SHALL ADHERE TO 'V.B-3B, C' OF HIS REQUIREMENT.
 C. INVERTERS ARE NOT REQUIRED TO HAVE CAUTION MARKINGS.

MATERIALS USED FOR MARKING SHALL BE REFLECTIVE, WEATHER RESISTANT, AND SUITABLE FOR THE ENVIRONMENT. ALL LABELS SHALL BE WHITE LETTERS ON RED BACKGROUND.

THE MARKINGS SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. NEC 110.21

### CONTRACTOR

### **REVEL-ENERGY, INC.** 2323 MAIN ST. **IRVINE**, CA 92614 CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171

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	7/27/2021	INITIAL PLAN SET	A.L.				
	8/18/2021	1ST REVISIONS	A.L.				
	9/1/2021	1ST CORRECTIONS	A.L.				
	9/9/2021	2ND REVISIONS	A.L.				
$\square$							

SYSTEM INFO:

TOTAL SYSTEM SIZE: DC STC: 2373.10 KW TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW SOLAR MODULES: (4996) TRINA TSM-475DE15V(II) INVERTER(S): (31) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 1:

SYSTEM SIZE DC STC: 630.80 KW SYSTEM SIZE AC CEC: 581.05 KW SOLAR MODULES: (1328) TRINA TSM-475DE15V(II) INVERTER(S): (8) CPS SCA60TL-DO/US-480

SYSTEM (PLANT) 2:

SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 888.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 3:

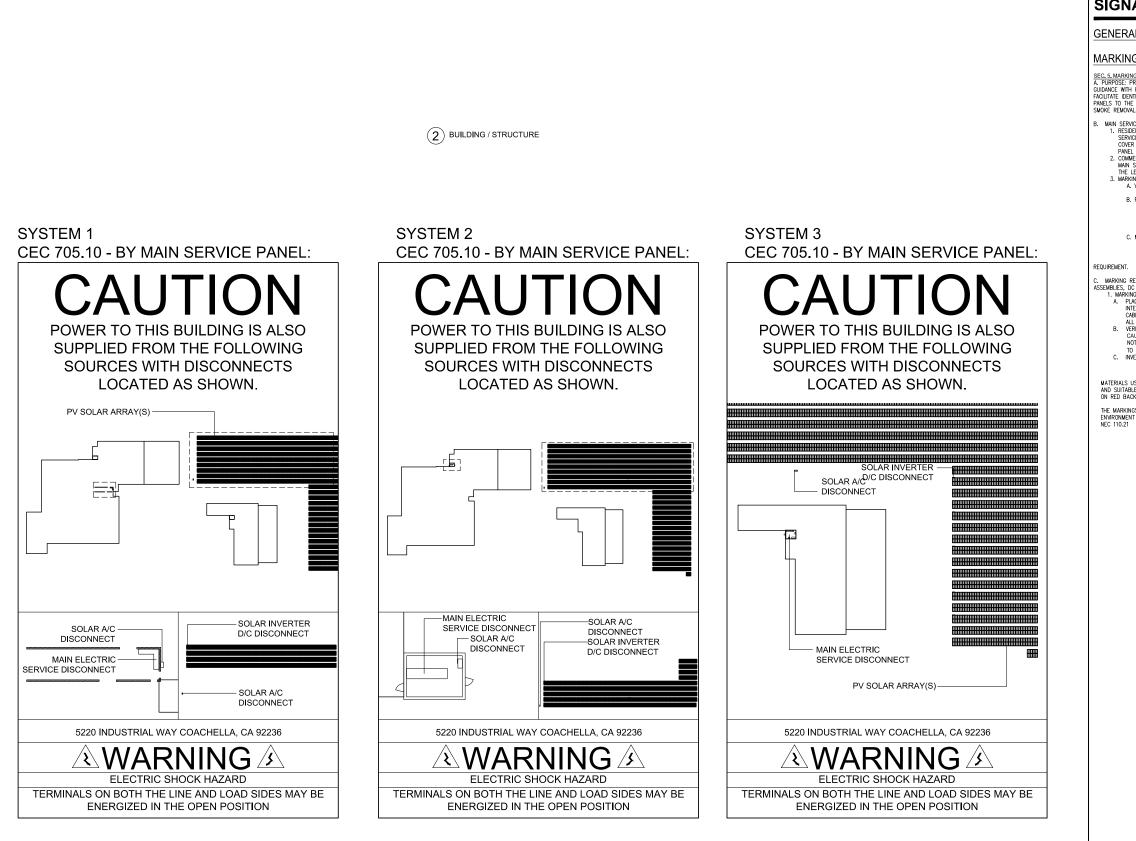
SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-D0/US-480

DESCRIPTION:

### SIGNAGE



Item 2.



### SIGNAGE REQUIREMENTS

### **GENERAL FIRE GUIDELINES &**

### MARKING REQTS:

SEC. 5. MARKINGS, LABELS, AND WARNING SIGNS. A. PURPOSE: PROVIDES EMERGENCY RESPONDERS WITH APPROPRIATE WARNING AND QUIDANCE WITH RESPECT TO ISOLATING THE SOLAR ELECTRICAL SYSTEM. THIS CAN FACILITATE IDENTIFYING EMERGIZED ELECTRICAL LIMES THAT CONNECT THE SOLAR PANELS TO THE INVERTER, AS THESE SHOULD NOT BE CUT WHEN VENTING FOR SMOKE REMOVAL.

B. MAIN SERVICE DISCONNECT:

AAN SERVICE DISCONNECT: 1. RESIDENTIAL BUILDINGS: THE MARKING MAY BE PLACED WITHIN THE MAIN SERVICE DISCONNECT. THE MARKING SHALL BE PLACED ON THE OUTSIDE COVER IF THE MAIN SERVICE DISCONNECT IS OPERABLE WITH THE SERVICE

COVER IF THE MAIN SERVICE DISCONNECT IS OPERABLE WITH THE SERVICE PANEL CLOSED. 2. COMMERCIAL BUILDINGS: THE MARKING SHALL BE PLACED ADJACENT TO THE MAIN SERVICE DISCONNECT CLEARLY VISIBLE FROM THE LOCATION WHERE THE LEVER IS OPERATED. 3. MARKINGS: VERBIAGE, FORMAT, AND TYPE OF MATERIAL. A. VERBIAGE: CAUTION: SOLAR ELECTRIC SYSTEM CONNECTED B. FORMAT: (1) WHITE LETTERING ON A RED BACKGROUND. (2) MINIMUM 3/8 INCHES LETTER HEIGHT. (3) MIL LETTERS SHALL BE CAUTAJED.

- (2) MINIMUM OF THE LETTER SHALL BE CAPITALIZED.
   (3) ALL LETTERS SHALL BE CAPITALIZED.
   (4) ARIAL OR SIMILAR FONT, NON-BOLD.
   C. MATERIAL:
- (1) REFLECTIVE, WEATHER RESISTANT MATERIAL SUITABLE FOR THE ENVIRONMENT (USE UL -- 969 AS STANDARD FOR WEATHER RATING). DURABLE ADHESIVE MATERIALS MEET THIS

NACONCURRENTS ON DC CONDUIT, RACEWAYS, ENCLOSURES, CABLE ASSEMBLES, DC COMBINERS, AND JUNCTION BOXES:
 MARKINGS: PLACEMENT, VERBIAGE, FORMAT, AND TYPE OF MATERIAL. A. PLACEMENT: MARKINGS SHALL BE PLACED EVERY 10 FEET ON ALL INTERIOR AND EXTERIOR DC CONDUITS, RACEWAYS, ENCLOSURES, AND CABLE ASSEMBLES, AT URINS, ADOVE AND FOR BELOW PENETRATIONS, ALL DC COMBINERS, AND JUNCTION BOXES.
 B. VERBIAGE: CAUTION: SOLAR CIRCUIT NOTE: THE FORMAT AND TYPE OF MATERIAL SHALL ADHERE TO 'V.B-3B, C' OF HIS REQUIREMENT.
 C. INVERTERS ARE NOT REQUIRED TO HAVE CAUTION MARKINGS.

MATERIALS USED FOR MARKING SHALL BE REFLECTIVE, WEATHER RESISTANT, AND SUITABLE FOR THE ENVIRONMENT. ALL LABELS SHALL BE WHITE LETTERS ON RED BACKGROUND.

THE MARKINGS SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. NEC 110.21

### CONTRACTOR

### **REVEL-ENERGY, INC.** 2323 MAIN ST. **IRVINE, CA 92614** CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171

I HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON THESE PLANS IS IN CONFORMANCE WITH ALL CODES AND ORDINANCES OF THE AH UP CITY OF COACHELLA AND FURTHER, IF OMISSIONS OR ERRORS ARE DISCOVERED, LUNDERSTAND THAT THE WORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE CODES AND ORDINANCES OF THE AH UP CITY OF COACHELLA PRIOR TO FINAL BUILDING INSPECTION.

SIGNATURE

DATE

STATE LICENSE NO. 1038433 / A, B, C10, C46



ARCH D (24" X 36") PRINT PAPER SIZE				
NO.	DATE	DESCRIPTION	ELECT.	STRUC.
	7/27/2021	INITIAL PLAN SET	A.L.	
	8/18/2021	1ST REVISIONS	A.L.	
	9/1/2021	1ST CORRECTIONS	A.L.	
	9/9/2021	2ND REVISIONS	A.L.	
$\square$				

### SYSTEM INFO:

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SYSTEM (PLANT) 3:

SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-D0/US-480

DESCRIPTION:

### DIRECTORY PLACARDS

# 57

Item 2.

Znshinesolar 1008 HALF-CELL Monocrystalline PERC PV Module	ZNSHINESOLAR	the 32 Address Group and Address preserver		OM
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Exceller cells officiency MBA het wology decreases lie distance letween bus lawa		level rapid similarium when used with the Tigo APS R80-5414575 products, and NEP PMG-8 pro	S#1715#4.1715#4.25 products, dosts, Nov.CP5 ReaDid Generacy	
spok linger gyfd lines widd in is beyydd. In power inverseer.		coddes rusaileding, earticle and construction		FLATHAL
Easter Weak III unination Response		<ul> <li>NEC. 2013 (E2014) PROVIDE Kontolical Konput Structure</li> <li>NG Autobio Interpolations must be Active Pase</li> </ul>		
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Anti PID		<ul> <li>15-50° Manarting microsofter for loss public so</li> <li>Optimad BucON Gatemapenaizles remain PO</li> <li>Integrate/ACX-COCTAntmackss/Network</li> </ul>		
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Higher lifetime Power Vield	8.559% Annual Degradation aver 25 years			
2.5% first year degradation				омсо Choi
		Statistical Standard Wine Jone	58/HARTLH-pid-Shutchman-Killer-Jacon	2.00004cc
	2 · · · · · · · · · · · · · · · · · · ·			Direct-Bolt Mounting System
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			NUMPER NO.	
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ZXM7-SP144 Series Zashinasilar 1880 IMU-CUL Honscryshillar PEBC PV Masker		Madul Remov DC Input REm Virf Appet? More DD Input?Relition	Technical Door CPR 80346901-00145-496 CPR 8034901400085-689 State (33947 per 16997) 1000094c	OMCO Choice Direct-Bott Mounting System
CART/ OP ITT AND NO Henerystellaur PEBC PP Madule	-	Mitchel Hanne DC Input Men. VM Aspect Mice. DRI Input Violitage Dataseling/PC Input Violitage Cartering/PC Input Violitage Former	Technical Date CPR RC4696(TL-DD148-428 BMAR (33MR per MPPT)	and a second
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Exercisional Time FCBC PP Maskake           Exercision Complexities         Bit rescuence           Bit rescuence         Bit rescuence <td< td=""><td>-</td><td>Manda Hannara Di Inguit Maria Mar Mangal Danara Mangal Di Nagari Mahagan Danara Mangal Di Nagari Mangan Manakara da Kalif Takakara Kalif Yangal Nagari Mangal Mangal Kalif Sanara Sanara (Canand Ghreac) (2015) Bendaro dr Kalif Manual Angal Mangal Kalif Sanara (Canand Ghreac) (2015) Bendaro dr Kalif Sanara (Canand Ghreac) (2015)</td><td>Technologic         Technologic         Technologic           1000000000000000000000000000000000000</td><td>Direct-Bot Mounting System Technical Specifications MANUFACTURING: CP40(2=** Direct-Boll meanling system is OHM direct, is In project siles from OMXO's manufacturing bacilies, canveriently located realm</td></td<>	-	Manda Hannara Di Inguit Maria Mar Mangal Danara Mangal Di Nagari Mahagan Danara Mangal Di Nagari Mangan Manakara da Kalif Takakara Kalif Yangal Nagari Mangal Mangal Kalif Sanara Sanara (Canand Ghreac) (2015) Bendaro dr Kalif Manual Angal Mangal Kalif Sanara (Canand Ghreac) (2015) Bendaro dr Kalif Sanara (Canand Ghreac) (2015)	Technologic         Technologic         Technologic           1000000000000000000000000000000000000	Direct-Bot Mounting System Technical Specifications MANUFACTURING: CP40(2=** Direct-Boll meanling system is OHM direct, is In project siles from OMXO's manufacturing bacilies, canveriently located realm
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Biomecryshildline PCBC PP Maskake           ELECTRI I.G.L. CHARKER/CIRILITINE         STAT           Biomecryshildline PCBC PP Maskake		Dirich Reads Dirich Reads Dirich Reads Reads Reads Direct Read Read Reads Direct Direct Direct Direct Direct Direct Reads Direct Direct Direct Direct Direct Direct Direct Direct Reads Direct Direct	CPR 8CA9980L-00188-498         CPR 8CA9880L-00188-498         CPR 8CA9880L-00188-498           65848 (3368) per 40997)         5005462         500542           2009 6629/968         20054629         20054629           2009 6629/968         20054729/968         20054729/968           2004 6629/968         20054729/968         20054729/968           2004 6629/968         20054729/968         20054729/968           2004 6629         20045/2004/1/2 (200-5)         20054729/968           20056 200 //EE // Mp644/04 (200540)         6936620         4636620           6056600         6264293626         6936620           309 //EE // Mp644/04 (200540)         72.3/95.45         72.3/95.45	Direct-Bolt Mounting System Technical Specifications MANUFACTURING: CP40(2:**) Direct-Bolt Meanling system is OHM direct, is In project siles from OMX20's manufacturing ballies, canversiently localed realin PRE-ASSEMBLY: Each rack consists of pro-assembled components which re the bill of material feams, allowing repd atts staging and instalation. MATERIALS: Galvanived U.S. Slicel, pre ASTM AR661 Tailed Follow HARDWARE: Zinc-Coasted to 15 microns per UL 2703. Hardware antives pre- for easy identification. Additional plating options available for corrosive environme
CALLED * Soft End Andres         Manual Capital Alline FEBC PP Markade           Bandard Prace State (Street State)         Bandard State (Street State)           Bandard Prace State (Street State)         Bandard State (Street Street State)           Bandard Prace State (Street Street		Muhd Hauna DC Injust Wen for Kayad? Mar. DG Kayal? Dawaling#CL have Nahaya Dampa. Classing#CL have Nahaya Dampa. Classing#CL have Nahaya Prover Bastare of Har Tasakar. SIT?**Taking#Classing#Crime.(doi:10.10) Bits. 11.4 Tasakar. SIT?**Taking#Classing#Crime.(doi:10.10) Bits. 11.4 Tasakar. DC Ounge Puptiers DC Ounge Puptiers DC Ounge Puptiers Rotat AC Calapat. Dawar. (doi:10.10) Bits. 11.4 Support Puptiers DC Ounge Puptiers Rotat AC Calapat. Dawar. (doi:10.10) Bits. 20.4 Supp. (doi:10.10) Bits. 20.4 Supp. (	Terminol Dere           CPR 8C469801_004.87.88         CPR 8C469801_000487.80           Statute         Statute           100001         100001           100001         100001           100001         100001           100001         1000001           100001         1000000           100001         1000000           100001         1000000           100001         1000000           100001         10000000           100001         10000000           100001         100000000           100001         1000000000           1000000000000000000000000000000000000	
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Biomecrysin-dillane PCBC PP Modulate           Discretizione di la discretazione di discretazione di discretazione di discretazione di di		Dirich Reveal Di	State         State           101         101           101 <td>Direct-Bolt Mounting System  Carbon Carbon</td>	Direct-Bolt Mounting System  Carbon
CALL         CALL <th< td=""><td></td><td>Dirich Reset Dirich Reset Direct Constitution Reset Ver Manner Reset Ver Manner Reset Direct Constitution Reset Constitution of Large Verhalds Reset Constitution of Large Verhalds Reset Constitution of Reset Constitution Reset Constitution of Reset Reset Constitution of Reset Reset Constitution of Reset Reset Constitution of Reset Reset Rese</td><td>Terr RC 400005 LOCAL START AND A START AND</td><td>Direct-Bolt Mounting System     Carchinical Specifications     ManuFactURING: CP40/2:** Direct-Bolt meanling system is OFM direct, a     In project sales from OMX30's manufacturing bacilies, conversionity tradeed realia     PRE-ASSEMBLY: Each rack consists of pro-assembled components which re     the bit of material from, allowing repd ate staging and instaliaton.     Materials: Galvanized U.S. Stock, pro ASTM A663 - Lefex Follow     Americals: Galvanized U.S. Stock, pro ASTM A663 - Lefex Follow     Materials: Galvanized U.S. Stock, pro ASTM A663 - Lefex Follow     Mounter Comparison of the material for consiste of pro-assembled components which re     for easy identification. Additional plating options available for consist, e environme     MOULE COMPATIBILITY     Why commondaily available, framed fair plate module:     Pre-FIED FLEXIBILITY: Built in adjustability features account for post missing     and ternain elevation changes with no additional components. Proprietary custom     inforgurations come standard on ouvery fixed-Himmounting system.     TABLE CONFIGURATION: 2'in I 'visital' is shared. Other contiguations ease     provide responsements.</td></th<>		Dirich Reset Dirich Reset Direct Constitution Reset Ver Manner Reset Ver Manner Reset Direct Constitution Reset Constitution of Large Verhalds Reset Constitution of Large Verhalds Reset Constitution of Reset Constitution Reset Constitution of Reset Reset Constitution of Reset Reset Constitution of Reset Reset Constitution of Reset Reset Rese	Terr RC 400005 LOCAL START AND A START AND	Direct-Bolt Mounting System     Carchinical Specifications     ManuFactURING: CP40/2:** Direct-Bolt meanling system is OFM direct, a     In project sales from OMX30's manufacturing bacilies, conversionity tradeed realia     PRE-ASSEMBLY: Each rack consists of pro-assembled components which re     the bit of material from, allowing repd ate staging and instaliaton.     Materials: Galvanized U.S. Stock, pro ASTM A663 - Lefex Follow     Americals: Galvanized U.S. Stock, pro ASTM A663 - Lefex Follow     Materials: Galvanized U.S. Stock, pro ASTM A663 - Lefex Follow     Mounter Comparison of the material for consiste of pro-assembled components which re     for easy identification. Additional plating options available for consist, e environme     MOULE COMPATIBILITY     Why commondaily available, framed fair plate module:     Pre-FIED FLEXIBILITY: Built in adjustability features account for post missing     and ternain elevation changes with no additional components. Proprietary custom     inforgurations come standard on ouvery fixed-Himmounting system.     TABLE CONFIGURATION: 2'in I 'visital' is shared. Other contiguations ease     provide responsements.
Construction         Biointerceptive/Base PEBC PP Medicale           Sector at code (Charles Construction)         1.910           Banding Sector at code (Charles Construction)         1.921           Banding Sector at code (Charles Construction)         1.924           Banding Sector at code (Charles Construction)         1.925           Banding Sector at code (Charles Construction)         1.925           Banding Sector at code (Charles Construction)         1.927           Banding Sector at code (Charles Construction)         1.927           Banding Sector at code (Charles Const		Muchai Hawani         Decimal           Decimal Control         Decimal Control           March Michael         Decimaling Control           Operating Control         Decimal Control           Operating Control         Decimal Control           Decimal Control         Decimal Control           Revisit All Control         Decimal	CPR: 8C4096UL-0048548         CPR: 8C409EUL-0048548           Status         CPR: 8C409EUL-0048548           CPR: 8C404EUL-0048548         CPR: 8C404           Status         CPR: 8C404EUL-0048548           Status         CPR: 8C404EUL-00485484           Status         CPR: 8C404EUL-00485484           Status         CPR: 8C40	Direct-Bolt Mounting System     Control Contro Control Control Control Control Control Control Control Control Co
CALCULATION         Descences/on-Alline FCB2C PP Musical           Second Numerical Interdiction         1970           Band Numerical Interdiction		Diskub Reser         Diskub Reser           Disk Disk Reserve         Disk Reserve	CPR RCADERUL_COME-PAR       CPR RCADERUL_COME-PAR         SUBJICAL       SUBJICAL         SUBJICAL       SUBJICAL <td>Direct-Bolt Mounting System     Carchinical Specifications     ManuFactURING: CP40/2:** Direct-Bolt meanling system is OFM direct, a     In project sales from OMX30's manufacturing bacilies, conversionity tradeed realia     PRE-ASSEMBLY: Each rack consists of pro-assembled components which re     the bit of material from, allowing repd ate staging and instaliaton.     Materials: Galvanized U.S. Stock, pro ASTM A663 - Lefex Follow     Americals: Galvanized U.S. Stock, pro ASTM A663 - Lefex Follow     Materials: Galvanized U.S. Stock, pro ASTM A663 - Lefex Follow     Mounter Comparison of the material for consiste of pro-assembled components which re     for easy identification. Additional plating options available for consist, e environme     MOULE COMPATIBILITY     Why commondaily available, framed fair plate module:     Pre-FIED FLEXIBILITY: Built in adjustability features account for post missing     and ternain elevation changes with no additional components. Proprietary custom     inforgurations come standard on ouvery fixed-Himmounting system.     TABLE CONFIGURATION: 2'in I 'visital' is shared. Other contiguations ease     provide responsements.</td>	Direct-Bolt Mounting System     Carchinical Specifications     ManuFactURING: CP40/2:** Direct-Bolt meanling system is OFM direct, a     In project sales from OMX30's manufacturing bacilies, conversionity tradeed realia     PRE-ASSEMBLY: Each rack consists of pro-assembled components which re     the bit of material from, allowing repd ate staging and instaliaton.     Materials: Galvanized U.S. Stock, pro ASTM A663 - Lefex Follow     Americals: Galvanized U.S. Stock, pro ASTM A663 - Lefex Follow     Materials: Galvanized U.S. Stock, pro ASTM A663 - Lefex Follow     Mounter Comparison of the material for consiste of pro-assembled components which re     for easy identification. Additional plating options available for consist, e environme     MOULE COMPATIBILITY     Why commondaily available, framed fair plate module:     Pre-FIED FLEXIBILITY: Built in adjustability features account for post missing     and ternain elevation changes with no additional components. Proprietary custom     inforgurations come standard on ouvery fixed-Himmounting system.     TABLE CONFIGURATION: 2'in I 'visital' is shared. Other contiguations ease     provide responsements.
Biomacrophilable PEBC PP Mulsial           Second Processing Procestand		Diracit Reserve         Diracit Reserve	CPR 8CAGEGUL/GRANK-05       CPR 8CAGEGUL/GRANK-05       SSMM CRANK por LEGY)       NORMAL       NORMAL       SSMM CRANK por LEGY)       NORMAL       SSMM CRANK por LEGY)       SSMM CRANK POR LEGY       SSMM CRANK POR LEGY <tr< td=""><td>Technical Specifications  AMUFACTURING: CP40/2:** Direct-Roll meanling system is OFM direct, a la project alles from OMX30's manufacturing bacilies, conveniently tocaled radio  PRE-ASSEMBLY: Each rack consists of pro-assembled components which re the bit of material from, allowing repd ate staging and installation.  MATERIALS: Galvanived U.S. Silest, par ASTM A663 -1 alext Foilor  MATERIALS: Galvanived U.S. Silest, par ASTM A663 -1 alext Foilor  MATERIALS: Galvanived U.S. Silest, par ASTM A663 -1 alext Foilor  MATERIALS: Galvanived U.S. Silest, par ASTM A663 -1 alext Foilor  MATERIALS: Galvanived U.S. Silest, par ASTM A663 -1 alext Foilor  MATERIALS: Galvanived U.S. Silest, par ASTM A663 -1 alext Foilor  MATERIALS: Galvanived U.S. Silest, par ASTM A663 -1 alext Foilor  MATERIALS: Select Particular A665 -1 alext Foilor  MOULE COMPATIBUTY:  Materials: Select Forespeter Pathene, OM02) radies are component with Hend Salat Selection backs.  IN-FIELD FLEXIBILITY: Built-In adjustability features account for post missilg and Bernan elevation changes with no additional components. Proprietary custor  configurations come standard on ouver field -1 foilor  AGBLE CONFIGURATION: 2<sup>1</sup> in furthal is standard. Other contigurations eva par alles spacific resparements.  TERRAIN ARTICULATION: Accommodates us to 20% grade change  FOUNDATION OPTIONS: Driver Piles (C Pode) of Deamo)</td></tr<>	Technical Specifications  AMUFACTURING: CP40/2:** Direct-Roll meanling system is OFM direct, a la project alles from OMX30's manufacturing bacilies, conveniently tocaled radio  PRE-ASSEMBLY: Each rack consists of pro-assembled components which re the bit of material from, allowing repd ate staging and installation.  MATERIALS: Galvanived U.S. Silest, par ASTM A663 -1 alext Foilor  MATERIALS: Galvanived U.S. Silest, par ASTM A663 -1 alext Foilor  MATERIALS: Galvanived U.S. Silest, par ASTM A663 -1 alext Foilor  MATERIALS: Galvanived U.S. Silest, par ASTM A663 -1 alext Foilor  MATERIALS: Galvanived U.S. Silest, par ASTM A663 -1 alext Foilor  MATERIALS: Galvanived U.S. Silest, par ASTM A663 -1 alext Foilor  MATERIALS: Galvanived U.S. Silest, par ASTM A663 -1 alext Foilor  MATERIALS: Select Particular A665 -1 alext Foilor  MOULE COMPATIBUTY:  Materials: Select Forespeter Pathene, OM02) radies are component with Hend Salat Selection backs.  IN-FIELD FLEXIBILITY: Built-In adjustability features account for post missilg and Bernan elevation changes with no additional components. Proprietary custor  configurations come standard on ouver field -1 foilor  AGBLE CONFIGURATION: 2 <sup>1</sup> in furthal is standard. Other contigurations eva par alles spacific resparements.  TERRAIN ARTICULATION: Accommodates us to 20% grade change  FOUNDATION OPTIONS: Driver Piles (C Pode) of Deamo)
Control (CALC)         Descence of the second s	CIMENSIONS(MY)	Diskub Reser         Diskub Reser           Disk Disk Reserve         Disk Reserve	CPP: 8C40490TL-00048-46     CPP: 8C40490TL-00048-46       State (33MF per-fatter)       S000475-30046       S3MF (33MF per-fatter)       S3MF (33MF	Direct-Bolt Mounting System  Carbonical Specifications  MANUFACTURING: CPR02::* Direct-Bolt meaning system is OFM direct, a largenjed siles from OMX03: manufacturing badilies, canverliently localed radio  PRE-ASSEMBLY: Each rack consists of pre-assembled components which re tis bit of matorial from, allowing rapid atto staging and instaliation.  MATERIALS: Galvaniced U.S. Slock, per ASTM A663   Lalext Follow  MODULE COMPATIBUTY:  Pre-Assemble Statistics  MATERIALS: Eac-Coaste to 15 microna per UL 2703, Hardware antes pre for easy identification. Additional plating options available for corrosive environme  MODULE COMPATIBUTY:  Pre-REMSE Statistics  MATERIALS: Side Statistic galvane barbes, OMX03 under are components with heid Statistics Statistic Transplater Pathene, OMX03 under are components with heid Statistic Statistic Transplater Pathene, OMX03 under are components  MEDURAL CONFIGURATION: 9 in Pathenel Configurations evaluated  Assemble Statistics  TABLE CONFIGURATION: 9 in Pathenel Statedard. Other configurations evaluated  FOUNDATION OPTIONS: Driver Place (C Posto of Dome)  TLT ANGLE: Accommodates from 5 - 45  WIRE MANAGEMENT: Infograted Wire Management System
CARPUP SPECTRA Sector         Biomacrophilables (FBBC PP Maskate           Sector Product Sector         1970           Biomacrophilage         1970	CIMENSIONQUME Interview In	Binds Reset         District Reset           District Res         Dist	CPR: RCADEGUL: CPURA: 400         State (CR)	Direct-Bolt Mounting System  Carbonical Specifications  MANUFACTURING: CP/00(2:**) Direct-Bolt meaning spelen is 0EM direct, is larged siles from 0M/XD3 menufacturing lacities, convertiently located ratio  PRE-ASSEMBLY: Each rack consists of pre-assembled components which re to b of mataneous times, allowing required site staging and instalation.  MATERIALS: Galvanized U.S. Sleet, per ASTM A663 Tabed Follow  HARDWARE: Zinc-Coasted to 15 microns per UL 2703. Hardware anties pre- for easy identification. Additional joining options available for corrosive environme  MODEL COMPTBILITY  Augus commontailly available, famout flat plate module.  H-FIELD FLEVIBILITY Bulkin adjustability features account for post metally and family advanted uses Stated on every fixed-bit mounting system.  TABLE COMFIGURATION: 2'in Protein advantage values  FERAIN ARTICULATION: Accommodates up to 20% grade change  FOUNDATION OPTIONS: Dilver Plics (C Poatrio II Dormo)  TILT ANGLE: Accommodates from 5' - 4''  WIRE MANAGEMENT: Informated Wire Management System  DOMDING/GROUNDING: UI 19703 Complexi  Post TOLERANCES: East to West Tolerance 1 to 1'   North to South Post Tolerance 4 to 1''
	CIMENSIONOGIMU IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Diskub Reser         Diskub Reser           Diskub Reserved         Diskub Reserved           Diskub Reserved         Diskub Reserved           Reserved Reserved Reserved Reserved         Diskub Reserved Reserved           Reserved Rese	DENERGY CONTROL CONSTANT CONTROL CONSTANT CONTROL CON	Direct-Bolt Mounting System  Carbonical Specifications  MANUFACTURING: CP/00(2:**) Direct-Bolt meaning system is 0EM direct, is larged-siles from 0M/XD3 menufacturing lacities, convertiently located ratio  PRE-ASSEMBLY: Each rack consists of pre-assembled components which re to b of mataneous times, allowing required start starge and instalation.  MATERIALS: Galvanized U.S. Sleet, per ASTM A663 Tabed Follow  HARDWARE: Zinc-Coasted to 15 microns per UL 2703. Hardware anties pre- for easy identification. Additional jobing options available for corrosive environme  MODEL COMPTBILITY  August commontally available, famout flat plate module.  H-FIELD FLEVIBILITY Bulkin adjustability features account for past metally and large adjusted base Stored parameters.  MATERIALS: GONFIGURATION: 2 in Partial is standard. Other configurations ear preside specific requirements.  Table Commontation options: 2 in Partial is standard. Other configurations ear preside specific requirements.  Table Configurations of 5 - 47:  WIRE MANAGEMENT: Information 5 - 47:  MIRE MANAGEMENT: Information 5 - 40:  Distributions of the Start Start Partial Vision of the start of the
Control State         Biometrogen-Alliner PCBC PPI Musical           Statescriptional Technic Statescription         971         972         972         972           Marcin States Statescription         974         972         972         972         972           Marcin States Statescription         974         972	CIMENSIONS(MP)	Bind Rese         District State           District State         Dist	Test READERSTLUCTURES         State St	Direct-Bolt Mounting System  Carchinical Specifications  MANUFACTURING: CPAN2:** Direct-Bolt meaning system is OFM direct, a largenjed sales from OMX20s meanufacturing bacilies, conventiently localed radio  PRE-ASSEMBLY: Each rack consists of pre-assembled components which re the bit of material from, allowing repd ate staging and instaliation.  MATERIALS: Gavanived U.S. Slock, per ASTM A663   Lalext Follow  MODULE COMPATIBUTY:  P. Any commendity available, framed flat plate module.  N-FIELD FLEXIBILITY: Bulk-In adjustability features account for post missing and Bernain elevation changes with no additional components which end and Bernain elevation changes with no additional components. Proprietary custor configurations come standed on overy find-4H mounting system.  TABLE CONFIGURATION: '2 in Partonal is standard. Other configurations eva per sile-specific requirements.  TERRAIN ARTICULATION: Accommodates up to 20% grade change FOUNDATION OPTIONS: Driver Pleis (C Postor I Bourn)  TLT ANGLE: Accommodates from 5 - 45  WIRE MANAGEMENT: Infograted Wire Management System  EDADING/GROUNDIN: L1 27033 Campled  POST TOLERANCES: Easts West Tolerance 1 to 1 1 North to South Post Telenance 1 to 1  LOAD CAPACITIES: Wird Up to 180 M111 Snow Up to 50155
CALL         Control (Call	DIMENSIONARY	Binds Reset         Disk           Disk Reset	CPC RCAPONELL_CODERS         CPC RCAPONELL_CODERS           SUBSERIANCE         SUBSERIANCE           SU	Direct-Bolt Mounting System  Carchinical Specifications  MANUFACTURING: CPR02:** Direct-Bolt meaning system is OFM direct, a largenjed alles from OMX20s manufacturing badilies, canveniently totaled radio  PRE-ASSEMBLY: Each rack consists of pre-assembled components which re the bill of matorial from, allowing repd ate staging and instaliation.  MATERIALS: Galvaniced U.S. Slock, per ASTM A663   Lalext Follow  MODULE COMPATIBUTY:  P. Any commendity available, framed flat plate module.  N-FIELD FLEXIBILITY: Bulk-In adjustability features account for post mitalia and Serian elevation changes with ne additional components which end and Serian elevation changes with ne additional components. Proprietary custor configurations come standard on every fixed-fixed custor  MERICULATION: 2014 Pathematic.  TABLE CONFIGURATION: 2014 Pathematic.  TERRAIN ARTICULATION: 2014 Pathematic.  TILT ANGLE: Accommodates from 5 - 45  WIRE MANAGEMENT: Integrated Wire Management System  BONDING/GROUNDIN: L1 27133 Complex1  LOAD CAPACITIES: Wird Uptio 1180 MI*11 Show Uptio 50155  CERTIFICATIONS: ISO 50012015 Standard, UL2703 Bill, CPP Wind
	DIMENSIONARY	Dirkof Hause         Dirkosi           Dirkosi         Dirkosi           Dirkosi         Dirkosi           Max Mir Mandri         Dirkosi           Dirkosi         Dirkosi           Dirkosi <td>CPR RCACHELLIOURS RET         CPR RCACHELLIOURS RET RET RET RET         CPR RCACHELLIOURS RET RET RET RET RET RET RET RET RET RET</td> <td>Direct-Bolt Mounting System  Carchinical Specifications  MANUFACTURING: CPAN2:** Direct-Bolt meaning system is OFM direct, a largenjed sales from OMX20s meanufacturing bacilies, canveniently localed radio  PRE-ASSEMBLY: Each rack consists of pre-assembled components which re the bill of matorial from, allowing repd ate staging and instaliation.  MATERIALS: Galvaniced U.S. Slock, per ASTM A663   Lalext Follow  MODULE COMPATIBUTY:  P. Any commendity available, framed flat plate module.  P. Any commendity available, framed flat plate module.  IN-FIELD FLEXIBILITY: Bulk-In adjustability features account for post missing and Bernain elevation changes with no additional components. Proprietary custor configurations come standed on overy find-4H mounting system.  TABLE CONFIGURATION: '2 in Partonal is standard. Other configurations eva per sile-specific requirements.  TERRAIN ARTICULATION: Accommodates up to 20% grade change FOUNDATION OPTIONS: Driver Pleis (C Postor II Bourn)  TLT ANGLE: Accommodates from 5' - 4'5  WIRE MANAGEMENT: Infograted Wire Management System  BONDING/GROUNDIN: L1 27(33) Complete1  Compared to 1'  LOAD CAPACITIES: Weil Up to 180 MIPH ISnow Up to 50155  CERTIFICATIONS: ISO 5001:2015 Standard, UL 2703 Ed: 1, CPP Wind  Tunel-Tested, NEC Complete1</td>	CPR RCACHELLIOURS RET         CPR RCACHELLIOURS RET RET RET RET         CPR RCACHELLIOURS RET	Direct-Bolt Mounting System  Carchinical Specifications  MANUFACTURING: CPAN2:** Direct-Bolt meaning system is OFM direct, a largenjed sales from OMX20s meanufacturing bacilies, canveniently localed radio  PRE-ASSEMBLY: Each rack consists of pre-assembled components which re the bill of matorial from, allowing repd ate staging and instaliation.  MATERIALS: Galvaniced U.S. Slock, per ASTM A663   Lalext Follow  MODULE COMPATIBUTY:  P. Any commendity available, framed flat plate module.  P. Any commendity available, framed flat plate module.  IN-FIELD FLEXIBILITY: Bulk-In adjustability features account for post missing and Bernain elevation changes with no additional components. Proprietary custor configurations come standed on overy find-4H mounting system.  TABLE CONFIGURATION: '2 in Partonal is standard. Other configurations eva per sile-specific requirements.  TERRAIN ARTICULATION: Accommodates up to 20% grade change FOUNDATION OPTIONS: Driver Pleis (C Postor II Bourn)  TLT ANGLE: Accommodates from 5' - 4'5  WIRE MANAGEMENT: Infograted Wire Management System  BONDING/GROUNDIN: L1 27(33) Complete1  Compared to 1'  LOAD CAPACITIES: Weil Up to 180 MIPH ISnow Up to 50155  CERTIFICATIONS: ISO 5001:2015 Standard, UL 2703 Ed: 1, CPP Wind  Tunel-Tested, NEC Complete1
	DIMENSIONARY	Bind Rese       Disk Start       Di	تعدید می دود. تعدید	Direct-Bolt Mounting System  Carchinical Specifications  MANUFACTURING: CPAN2:** Direct-Bolt meaning system is OFM direct, a largenjed sales from OMX20s meanufacturing bacilies, canveniently localed radio  PRE-ASSEMBLY: Each rack consists of pre-assembled components which re the bill of matorial from, allowing repd ate staging and instaliation.  MATERIALS: Galvaniced U.S. Slock, per ASTM A663   Lalext Follow  MODULE COMPATIBUTY:  P. Any commendity available, framed flat plate module.  P. Any commendity available, framed flat plate module.  IN-FIELD FLEXIBILITY: Bulk-In adjustability features account for post missing and Bernain elevation changes with no additional components. Proprietary custor configurations come standed on overy find-4H mounting system.  TABLE CONFIGURATION: '2 in Partonal is standard. Other configurations eva per sile-specific requirements.  TERRAIN ARTICULATION: Accommodates up to 20% grade change FOUNDATION OPTIONS: Driver Pleis (C Postor II Bourn)  TLT ANGLE: Accommodates from 5' - 4'5  WIRE MANAGEMENT: Infograted Wire Management System  BONDING/GROUNDIN: L1 27(33) Complete1  Compared to 1'  LOAD CAPACITIES: Weil Up to 180 MIPH ISnow Up to 50155  CERTIFICATIONS: ISO 5001:2015 Standard, UL 2703 Ed: 1, CPP Wind  Tunel-Tested, NEC Complete1

### AR

CONTRACTOR

### REVEL-ENERGY, INC. 2323 MAIN ST. IRVINE, CA 92614 CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171

I HEREBY CERTIFY THAT THE WORK PROPOSED TO BE DONE ON THESE PLANS IS IN CONFORMANCE WITH ALL CODES AND ORDINANCES OF THE ANJ OF CITY OF COACHELLA AND FURTHER, IF OMISSIONS OR ERRORS, ARE DISCOVERED, IUNDERSTAND THAT THE WORK PERFORMED WILL BE REQUIRED TO COMPLY WITH THE CODES AND ORDINANCES OF THE ANJ OF CITY OF COACHELLA PRIOR TO FINAL BUILDING INSPECTION.

SIGNATURE

DATE

STATE LICENSE NO. 1038433 / A, B, C10, C46

PROJECT LOCATION: WOODSPUR FARMS PV 5220 INDUSTRIAL WAY COACHELLA, CA 92236

ARCH D (24" X 36") PRINT PAPER SIZE				
NO.	DATE	DESCRIPTION	ELECT.	STRUC.
	7/27/2021	INITIAL PLAN SET	A.L.	
	8/18/2021	1ST REVISIONS	A.L.	
	9/1/2021	1ST CORRECTIONS	A.L.	
	9/9/2021	2ND REVISIONS	A.L.	
$\Lambda$				

SYSTEM INFO:

TOTAL SYSTEM SIZE: DC STC: 2373.10 KW TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW SOLAR MODULES: (4996) TRINA TSM-475DE15V(II) INVERTER(S): (31) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 1:

SYSTEM SIZE DC STC: 630.80 KW SYSTEM SIZE AC CEC: 581.05 KW SOLAR MODULES: (1328) TRINA TSM-475DE15V(II) INVERTER(S): (8) CPS SCA60TL-DO/US-480

SYSTEM (PLANT) 2:

SYSTEM (PLANT) 3:

DESCRIPTION:

SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 898.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-D0/US-480

**PV 7** 

CE CE CE W CAT CERTIFI Attestation of Conformity Attestation of Conformity Attestation of Conformity No. N8A 073899 6077 Rev. 61 No. NSA 073899 0677 Rev. 01 No. N&A 073899 0077 Rev. 01 Holder of Certificate: ZNSHINE PV-TECH Co., Ltd. Medel(s); 2 No.1, South-Zhowing Read Industrial Zone, Zhial Poset, Johan District 20081 Cheregolius, City, Soupus Presince PEZIPI PEREFLUENC OF COMMA CERTIF uskais (PH) Nucleas Product: • e Photomaticaie Madula **Parameters**: СЕРТИФИКАТ pronose. Real land the firmers • Tested ER IEC 81730-1:2018/AC:3018-06 EN IEC-81730-1:2018 according to: 3031-61-64 Date, gitis (Zhulin Zhang ) ZERTIFI ZERTIFI inguirad Cit m. wheat, time d ing-can be affined on the product. The da TOM<sup>6</sup> TON® GROUP GROUP Master Contract: 253045 Date Dasad: 2019-03-15 Certificate: 70(2)(0) **Certificate of Compliance** 70215379 Project: APPLICABLE REQUIREMENTS Carblinete: 7012608 Moster Contrast: 253015 CSA C22.2 No. 107.1-81 - General Tits: Power Supplies 78218379 Date Issuel: 20(9-03-15 Project: \*III, 1741 Instatus, Controlicus, Controlicus and Interconnection System Regim Distributed Energy Resources (Second Edition, Reachion Suptember 7, 2016) ant four Lines White Control inc SHANGHAI CHINT POWER SYSTEMS COLLTR 3235 Si Xion Bd Songjiang Blatrict, Shanghai 201614 CIIINA CSA TH.M.60 - Inter Im Cartification Requirements for Photosolitaic (FV) DC Ass-Fault Protection (Issue Distance 1, March 11, 2013) UL 16958 - Ordine of Investigation for Photosolusis (PV) DC Ano-Fredt Circuit Protocion (Issue Nambur 2, January 14, 2013) Attention: Russ Cal The products listed helow are eligible to hear the CSA Mark shown with adjacent ladientoes 'C' and 'US' for Counda and US or with adjacent indicator 'US' for US only or without either indicator for Counda only. <sup>9</sup>Sets: Confirmity to III. 1741 (Scenal Failtien, Revision September 7, 2016) Instanto-compliance with applicable negativements of REEE 1947-2008 (R2009), REEE 1947a-2014, REEE 1947.1-2000(R2011), IEEE 1947.1:: 2015, California Berle 21 and Supplement Sch. Inned by: Yangy (Janan) Leis Yang (Inned Lei SP. PROTECTS CLANS - CSS1199 - POWER SUPPLIES-Déveloping Gaussiène Boner Systems Egylpennet CLANS - CSS1199 - POWER SUPPLIES - Déveloping Gaussiène Power Systems Egylpennet - Cestiliot to 11.5. ess Gold Support UNITy Interactive Investor, Medals CPS SCASEKTL-DO/US-490 and CPS SCA60KTL110/US 499, gemenently connected. For details related to rating, size, carfigmation, etc. reference should be made to the CSA Contification Record or

0.90 Rev. 200-U-H

200 9/7 Box 200-0-12

TOV®

### CONTRACTOR

### **REVEL-ENERGY**, INC. 2323 MAIN ST. **IRVINE**, CA 92614 CSLB #: 1038433 / A, B, C10, C46 (949) 281-7171

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SIGNATURE

DATE

STATE LICENSE NO. 1038433 / A, B, C10, C46

PROJECT LOCATION: WOODSPUR FARMS PV 5220 INDUSTRIAL WAY COACHELLA, CA 92236

ARCH	ARCH D (24" X 36") PRINT PAPER SIZE			
NO.	DATE	DESCRIPTION	ELECT.	STRUC.
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	8/18/2021	1ST REVISIONS	A.L.	
	9/1/2021	1ST CORRECTIONS	A.L.	
	9/9/2021	2ND REVISIONS	A.L.	
$\Lambda$				

	9/9/2021	2ND REVISIONS	A.L.	
A				

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SYSTEM (PLANT) 1:

TOTAL SYSTEM SIZE: DC STC: 2373.10 KW TOTAL SYSTEM SIZE: AC CEC: 2185.93 KW SOLAR MODULES: (4996) TRINA TSM-475DE15V(II) INVERTER(S): (31) CPS SCA60TL-D0/US-480

SYSTEM (PLANT) 3:

DESCRIPTION:

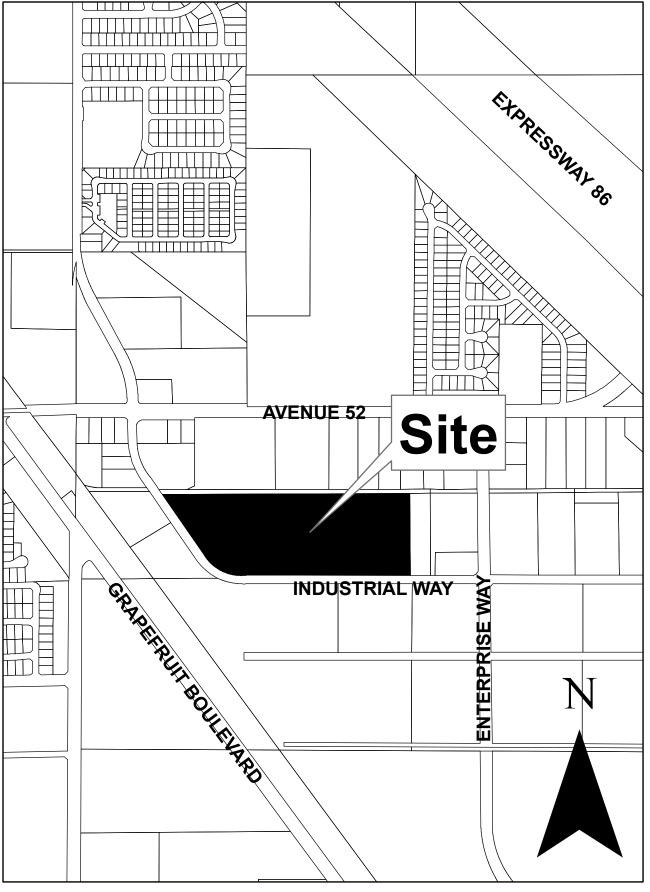
SYSTEM SIZE DC STC: 975.65 KW SYSTEM SIZE AC CEC: 888.70 KW SOLAR MODULES: (2054) TRINA TSM-475DE15V(II) INVERTER(S): (13) CPS SCA60TL-D0/US-480

SYSTEM SIZE DC STC: 766.65 KW SYSTEM SIZE AC CEC: 706.18 KW SOLAR MODULES: (1614) TRINA TSM-475DE15V(II) INVERTER(S): (10) CPS SCA60TL-D0/US-480

**UL LISTING** 

**PV 8** 

SYSTEM (PLANT) 2:



**Vicinity Map** 



### STAFF REPORT 2/16/2022

To: Planning Commission Chair and Commissioners

FROM: Gabriel Perez, Development Services Director

**SUBJECT:** Interpretation of Coachella Municipal Code Section 17.72.010.F.1 (Architectural Review) approval authority for the architectural review of single-family residences.

### **STAFF RECOMMENDATION:**

Staff recommends that the Planning Commission review the information contained in the staff report and provide an interpretation of Coachella Municipal Code Section 17.72.010.F.1.

### **BACKGROUND:**

The Coachella Zoning Ordinance sets forth the process for the review and approval of land use entitlement applications for projects within the City. Depending upon the type, size and scope of a project, the Zoning Code assigns responsibility for application review and approval among the City's Planning Director, the Planning Commission and the City Council. The Planning Division presented streamlining Zoning Ordinance recommendations to the Planning Commission on April 20, 2016. The streamlining code amendments included:

- Allowances for minor variances for setbacks, fence height, off-street parking, building height, sign area, and accessory structures that can be approved by the Planning Director.
- Administrative Architectural Review for certain commercial, single-family residential and multi-family residential projects where previously the Planning Commission was the approval authority of all Architectural Reviews.
- Call-Up procedures that allow Planning Commission and City Council to consider an item that was decided by a lower decision-making body if the "call-up" is requested within 15 days of the decision.

The Planning Commission recommended approval of the recommendations and the City Council adopted the streamlining zoning ordinance amendments on May 25, 2016.

### **DISCUSSION/ANALYSIS:**

Planning Division staff requests that the Planning Commission provide an interpretation of Section 17.72.010.F.1, in Chapter 17.71 - Architectural Review, due to the ambiguity of the standards for

61

administrative approval of single-family residences. The Zoning Ordinance language of Section 17.72.010.F.1 is as follows, with the pertinent language in bold:

F. Approving Authority and Basis for Approval of Architectural Review.

1. For Architectural Review involving (i) Not more than three single family residences pursuant to Section 17.16.030(C) and new one-family and two-family dwelling units pursuant to Section 17.18.030F1 (ii) five hundred (500) square feet of new multifamily residential square footage or less or (iii) two thousand (2,000) square feet of new commercial/industrial square footage or less, the planning director shall be the reviewing and approval authority. For all other architectural review, the planning commission shall be the approving authority.

In the reading of this section, it would appear that a residential builder could propose construction of 1 to 3 single-family residences under an administrative Architectural Review approval. Singlefamily residential projects exceeding 3 single family units such as Valencia (Pulte), Escondida Pointe (D.R. Horton), Mariposa Pointe (D.R. Horton) were approved through an administrative Architectural Review and did not require consideration by the Planning Commission. The Development Services Department previously authorized the administrative review of these projects insofar as no more than three "production home" plans were proposed. The 2016 staff report to the Planning Commission (Attachment 2) stated that the administrative review was intended for small projects. Valencia, Escondida Pointe, and Mariposa Pointe are projects that exceed 20 homes and are considered major residential developments in the City of Coachella.

Single-family residential production builders have proposed single-family residential plans limited to 3 plans in order to qualify as an administrative Architectural Review, based on a previous interpretation of the Architectural Review decision-making authority by the Development Services Department. Staff believes that staff report presented to the Planning Commission on April 20, 2016, clearly intended the administrative Architectural Review to apply to single-family residential projects that did not exceed 1-3 individual homes rather than large production single-family home tracts that offer only 3 single-family residential plan options.

### **ALTERNATIVES:**

- Request that a) staff prepare a Planning Commission Resolution approving an interpretation that Coachella Municipal Code Section 17.72.010.F.1 applies to proposed single-family residential projects that do not exceed 3 single family residences and does not apply to residential projects where more than 3 single-family residences are proposed; and b) staff prepare a zoning ordinance amendment for future consideration that clarifies administrative Architectural Review decision-making authority.
- 2) Request that staff prepare a Planning Commission Resolution approving an interpretation that affirms that Coachella Municipal Code Section 17.72.010.F.1 can apply to residential projects where more than 3 single-family residences are proposed.
- 3) Continue this item and provide staff and the applicant with direction.

62

### **Recommended Alternative:**

Staff recommends alternative #1 as staff believes this would encourage more architectural variety from single-family residential builders for new residential neighborhoods citywide.

Attachments: 1. Chapter 17.72 Architectural Review 2. April 20, 2016 Planning Commission Staff Report – ZOA 16-02 Streamlining Code Amendments



### STAFF REPORT 4/20/2016

То:	Planning Commission
FROM:	Luis Lopez, Development Services Director
Subject:	Zoning Ordinance Amendment (ZOA 16-02) amending various sections of the Coachella Zoning Code in order to streamline the application review and approval process for land use entitlement applications.

### **STAFF RECOMMENDATION:**

Staff recommends that the Planning Commission recommend to the City Council approval of the attached draft Zoning Ordinance Amendment (ZOA 16-02) amending various sections of the Coachella Zoning Code in order to streamline the application review and approval process for land use entitlement applications.

### **BACKGROUND:**

The Coachella Zoning Code sets forth the process for the review and approval of land use entitlement applications for projects within the City. Depending upon the type, size and scope of a project, the Zoning Code assigns responsibility for application review and approval among the City's Planning Director, the Planning Commission and the City Council. Over the years, working with the current Code, City Staff has identified opportunities to simplify and streamline the application review and approval process.

### **DISCUSSION/ANALYSIS:**

### Minor Variances:

As an example, if a project requires 100 parking spaces and the applicant is seeking a limited variance of only 5 parking spaces, the current Code nonetheless requires this to be reviewed by the Planning Commission at a noticed public hearing. The additional Staff time to prepare for a public hearing adds cost and delay to these types of projects. Staff believes that most "minor variances" involve only slight modifications that do not pose significant land use challenges to the City. Therefore, most do not warrant a full noticed public hearing. The attached Ordinance proposes to delegate review of certain "minor variances" to the City's Planning Director, without a public hearing. These "minor variances" would include the following:

1) Reduction in front, side or rear yard setback by not more than 10% of Code-required minimum;

- 2) Increase in fence height not more than 10% above Code-required maximum;
- 3) Reduction in required off-street parking, by not more than 5% of Code-required minimum;
- 4) Increase in building height not more than 5% above Code-required maximum;
- 5) Modification of allowable sign area not more than 10% above Code-required maximum;
- 6) Modification of allowable size of accessory structures no more than 10% above Coderequired maximum, and reduction in minimum distance between accessory structures and other buildings not more than 10% of Code required minimum, in residential zones.

The Planning Director would be required to render a written decision within 60 days after receiving a complete application and must base his or her findings upon the same "unique circumstances/hardship" standards as the Planning Commission. All "major variances" (variances larger in scope than those identified above) would still be reviewed by the Planning Commission. Further, if the Planning Commission believes a "minor variance" warrants consideration at a public hearing, it may "call up" the matter to hear it on appeal (see "call up" appeals below).

### Administrative Architectural Review:

Under the current Code, all architectural review applications are considered by the Planning Commission. Staff believes that the process can be better streamlined by allowing architectural review for small projects to be decided by the Planning Director. Therefore, the attached Ordinance delegates architectural review for the following projects to the Planning Director:

- 1) not more than 3 single family residences or new one-family and two-family dwelling units;
- 2) not more than 500 square feet of new multi-family residential square footage; or
- 3) not more than 2,000 square feet of new commercial/industrial square footage.

All other architectural review decisions would remain with the Planning Commission. Further, if the Planning Commission believes an architectural review application warrants consideration at a public hearing, it may "call up" the matter to hear it on appeal (see "call up" appeals below). Extensions of time to utilize architectural review would be decided by the person(s) who rendered the original decision (either the Planning Director of Planning Commission).

### "Call Up" Appeal Procedure and Other Technical Clarifications Regarding Appeal Process:

The current Code provides that an appeal of a land use decision shall be filed (presumably by the applicant) within 15 days after the notice of determination is mailed. However, if the applicant does not file an appeal, there is no procedure for further review. The attached Ordinance adds a procedure by which any two members of the Planning Commission or City Council (whichever body is the next direct level of review) may "call up" a decision for review by that body without

the applicant having to file an appeal. The decision must be "called up" in writing within 15 days after the notice of determination by the lower body was mailed. Once "called up", the matter would be processed like any applicant-filed appeal.

The Ordinance makes other technical clarifications regarding appeals: (i) That appeals are *de novo* hearings (the appeal body is not bound by the findings of the prior decision), and (ii) That if the appeal body fails to decide a matter, the prior decision made at the lower level stands.

### Other Technical/Conforming Amendments:

The Ordinance makes other technical/confirming changes consistent with the amendments discussed above. For example, from time to time, questions regarding technical interpretation or implementation of the Zoning Code will arise. In many cases, it is cumbersome to bring these questions directly to the City Council or Planning Commission. Therefore, this Ordinance expressly authorizes the Planning Director to adopt administrative rules, interpretations and minor extensions consistent with the Zoning Code to carry out its terms. This has been the Planning Department's practice for many years and the amendment merely codifies this practice. This ordinance also eliminates all references to the "Office of Zoning Administration" and "Zoning Administrator". The City has not had these positions for many years and the reference is outdated. The Planning Director carries out these roles and the Code's terms would be amended to reflect this.

### **ALTERNATIVES:**

- 1) Recommend to City Council approval of the attached draft ordinance approving Zoning Ordinance Amendment 16-02.
- 2) Recommend to City Council approval of portions of the draft Ordinance, or a modified version of the Ordinance.
- 3) Continue this item and provide staff with direction.

### **RECOMMENDED ALTERNATIVE(S):**

Staff recommends Alternative #1 above.

Attachment: Draft Ordinance approving ZOA #16-02

Chapter 17.72 - ARCHITECTURAL REVIEW

17.72.010 - Architectural review.

- A. Intent and Purpose. To provide flexibility in the placement and interrelationship of structures and uses subject to architectural review; to provide for the implementation of sound site plan design concepts while maintaining the overall intensity of land use and density of population; to review the site plan of those uses which are not intrinsically objectionable to the predominant use category of the district, but which have inherent characteristics which, if not properly handled, have potentials for becoming detrimental to the health, safety, or general welfare of the public, or to neighboring land uses; to determine whether or not a proposed development will properly comply with the architectural guidelines of the city and the provisions and development standards required by this chapter or as prescribed by the planning director, or other authorized agent; to improve the quality of development and to provide a mechanism whereby the city can insure well-designed development.
- B. Submission of Site Plan. Any use, development of land, structure, building or modification of standards requiring the submission of a site plan for architectural review shall not be established, modified or otherwise altered. No certificate of occupancy shall be issued until all of the requirements of this section have been met. Continued conformance with such a plan and such requirements shall be a condition of any certificate of occupancy.
- C. Required Plans or Documents.
  - 1. A site plan for any use, development of land, structure, building or modification of standards that involves architectural review.
  - 2. Such other forms or documents as are necessary to determine compliance with the provisions of this chapter or any conditions that the planning director or planning commission may impose in granting an approval of the requested use, development or modification.
- D. Application Forms.
  - 1. The planning director shall prescribe the form for applications and site plans, and the information to be included in the required site plan for architectural review.
- E. Required Information. Applications involving architectural review shall contain site plans as set forth in <u>Section 17.62.010</u>.
  - 1. Projects Subject to Pre-Application Review. All projects subject to pre-application review, pursuant to <u>Section 17.77.020</u>, shall complete the pre-application review process prior to submitting a formal development application. A copy of the pre-application review written report shall be submitted along with the application for architectural review.

- F. Approving Authority and Basis for Approval of Architectural Review.
  - For Architectural Review involving (i) Not more than three single family residences pursuant to <u>Section 17.16.030(</u>C) and new one-family and two-family dwelling units pursuant to Section 17.18.030F1 (ii) five hundred (500) square feet of new multifamily residential square footage or less or (iii) two thousand (2,000) square feet of new commercial/industrial square footage or less, the planning director shall be the reviewing and approval authority. For all other architectural review, the planning commission shall be the approving authority.
  - 2. Development to comply with provisions of this chapter. Every use, development of land and application of development standards shall take place in compliance with all applicable provisions of this chapter.
  - 3. Compatibility with neighboring property. Every use, development of land and application of architectural guidelines and development standards shall be considered on the basis of the suitability of the site for a particular use or development intended, and the total development, including the prescribed development standards, shall be so arranged as to avoid traffic congestion, insure the protection of public health, safety and general welfare, prevent adverse effects on neighboring property and shall be in accord with all elements of the general plan.
- G. Reserved.
- H. Action Upon Site Plans. The planning director or planning commission, whichever is applicable, acting upon any site plans offered for review as provided in this chapter, shall either:
  - 1. Approve; or,
  - 2. Approve with modification and conditions; or,
  - 3. Disapprove the proposed site plan, development or modification as requested in the application.
- I. Notice of Action on a Site Plan.
  - 1. Notification to the Applicant. The planning director shall notify the applicant by mail of the action taken on the application.
  - 2. Appeal. In the event the applicant does not agree with the action taken on a site plan by the planning director or planning commission, he may appeal such decision (to the planning commission if a decision of the planning director, and to the city council if a decision of the planning commission). Such appeal shall be filed within fifteen (15) days after the date on which the determination was mailed. The decision of the city council shall be final.
- J. Expiration of Architectural Approval.
  - 1. Architectural approval shall expire three hundred sixty-five (365) days from approval unless the applicant has: obtained a building permit; paid all applicable fees; commenced

,Item 3.

Attachment

### Coachella, CA Code of Ordinances

construction; and is diligently pursuing completion. A cessation of construction for a per  $2^{ltem 3.}$ more than thirty (30) consecutive days shall be presumed to be nondiligent.

- 2. The architectural review approval that has been granted, but not been exercised within one year, may be renewed for three one year time extensions only if an application stating reasons for renewal is filed with the planning director at least ten (10) days prior to one year after the effective date of the architectural review approval. The original approving authority for the architectural review (planning director or planning commission) shall render a decision regarding an extension. If an applicant requests a time extension after the architectural review approval has expired, a retroactive time extension may be approved; however the application fees are double. In the event that the planning director or planning commission may impose any additional conditions on the architectural approval as a condition of its renewal. In the event that such additional conditions are not acceptable to the applicant and/or owner, the planning director or planning director or planning director or more than and/or owner, the planning director or planning commission shall deny the renewal.
- 3. The criteria for granting a three hundred sixty-five (365) day extension are:
  - a. No significant change has occurred in the surrounding neighborhood;
  - b. The project conforms to existing and any new building and zone requirements;
  - c. A request for the extension is properly filed with the planning director ten (10) days or more prior to expiration; and
  - d. The applicant states upon affidavit the reasons requiring an extension and such other criteria as the planning department shall set forth in the application.
- 4. The planning director or planning commission shall grant the extension if good cause is set forth in the application.

(Ord. 1004-(2) § 3, 2008; prior code § 080.10)

(Ord. No. 1087, § 5, 5-25-16)