

Contract # 230102

OCALA ELECTRIC UTILITY
OCALA, FLORIDA

FIRST REVISED SHEET NO. 19.0
CANCELS ORIGINAL SHEET NO. 19.0

**APPLICATION FOR INTERCONNECTION OF
CUSTOMER-OWNED RENEWABLE
GENERATION SYSTEMS**

TIER 1 - Ten (10) kW or Less

TIER 2 - Greater than 10 kW and Less Than or Equal to 100 kW

TIER 3 - Greater than 100 kW and Less Than or Equal to Two (2) MW

Note: These customer-owned renewable generation system size limits may be subject to a cumulative enrollment limit on net-metering customers located in the area served by the City of Ocala Electric Utility. Please refer to the Ocala Electric Utility Net-Metering Rate Schedule.

Ocala Electric Utility customers who install customer-owned renewable generation systems (RGS) and desire to interconnect those facilities with the Ocala Electric Utility system are required to complete this application. When the completed application and fees are returned to Ocala Electric Utility, the process of completing the appropriate Tier 1, Tier 2 or Tier 3 Interconnection Agreement can begin. This application and copies of the Interconnection Agreements may be obtained at Ocala Electric Utility, located at 201 SE 3rd Street, Ocala, Florida 34471, or may be requested by email from OEU@ocalafl.org.

1. Customer Information

Name: Robert Laub
Mailing Address: 3401 SW 26th PL
City: Ocala State: FL Zip Code: 34474
Phone Number: 352-421-9851 Alternate Phone Number: _____
Email Address: laublaub@ocalafl.com Fax Number: _____
Ocala Electric Utility Customer Account Number: 001 1033 009037 106

2. RGS Facility Information

Facility Location: 3401 SW 26th PL Ocala, FL 34474
Ocala Electric Utility Customer Account Number: 001 1033 009037 106
RGS Manufacturer: URE FAM 440FSG
Manufacturer's Address: _____
Reference or Model Number: Generac APK 7600 (2)
Serial Number: _____

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Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

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3. Facility Rating Information

Gross Power Rating: 131464 ("Gross power rating" means the total manufacturer's AC nameplate generating capacity of an on-site customer-owned renewable generation system that will be interconnected to and operate in parallel with Ocala Electric Utility's distribution facilities. For inverter-based systems, the AC nameplate generating capacity shall be calculated by multiplying the total installed DC nameplate generating capacity by 0.85 in order to account for losses during the conversion from DC to AC.)

Fuel or Energy Source: Photovoltaic

Anticipated In-Service Date: 8/1/22

4. Application Fee

The application fee is based on the Gross Power Rating and must be submitted with this application. The non-refundable application fee is \$375 for Tier 2 and \$750 for Tier 3 installations. There is no application fee for Tier 1 installations.

5. Interconnection Study Fee

For Tier 3 installations, a deposit in the amount of the estimated costs of the study (to be determined at time of application) must be paid along with this application in addition to the application fee referenced in Article 4 above. This deposit will be applied toward the cost of an interconnection study. The customer will be responsible for the actual costs of the study. Should the actual cost of the study be less than the deposit, the difference will be refunded to the customer. Customer agrees to comply with all interconnection requirements identified in the interconnection study report.

6. Required Documentation

Prior to completion of the Interconnection Agreement, the following information must be provided to the Ocala Electric Utility by the customer.

A. Documentation demonstrating that the installation complies with (or most current version at time of inspection approval):

1. IEEE 1547 (2018) Standard for Interconnecting Distributed Resources with Electric Power Systems.
2. IEEE 1547.1 (2005) Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems.
3. UL 1741 (2010) Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources.

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Electric Utility Director

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B. Documentation that the customer-owned renewable generation has been inspected and approved by local code officials prior to its operation in parallel with the Ocala Electric Utility system to ensure compliance with applicable local codes. OEU will also require proof of commission testing by a qualified 3rd party testing company (not affiliated in any way with the manufacturer, vendor or installation contractor), for compliance with all required and applicable codes, standards, and interconnection study requirements, prior to setting of OEU metering equipment.

C. Proof of insurance in the amount of:
Tier 1 - \$100,000.00
Tier 2 - \$1,000,000.00
Tier 3 - \$2,000,000.00

Customer

By: Robert W Laub Date: 12/6/2022
(Print Name)

Robert W Laub
(Signature)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
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FIRST REVISED SHEET NO. 20.0
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Tri-Party Net-Metering Power Purchase Agreement

This Tri-Party Net-Metering Power Purchase Agreement (this "Agreement") is entered into this 10 day of December, 2022, by and between the Florida Municipal Power Agency, a governmental joint action agency created and existing under the laws of the State of Florida (hereinafter "FMPA"), the City of Ocala doing business as Ocala Electric Utility, a body politic (hereinafter "OEU"), and Robert Laub, a retail electric customer of OEU (hereinafter "Customer").

Section 1. Recitals

1.01. OEU and Customer have executed OEU's Standard Interconnection Agreement for a Customer-Owned Renewable Generation System (RGS) pursuant to which OEU has agreed to permit interconnection of Customer's renewable generation to OEU's electric system at Customer's presently-metered location, and Customer has agreed to deliver excess electric energy generated by Customer's Renewable Generation System to OEU's electric distribution system;

1.02. The City of Ocala and FMPA have entered into the All-Requirements Power Supply Contract, dated as of May 1, 1986, (hereinafter the "ARP Contract") pursuant to which the City of Ocala has agreed to purchase and receive, and FMPA has agreed to sell and supply OEU with all energy and capacity necessary to operate the OEU electric system, which limits OEU's ability to directly purchase excess energy from customer-owned renewable generation.

1.03. In order to promote the development of small customer-owned renewable generation by permitting OEU to allow its customers to interconnect with OEU's electric system and to allow OEU's electric customers to offset their electric consumption with customer-owned renewable generation, FMPA, in accordance with the terms and conditions of this agreement, has agreed to purchase excess customer-owned generation from OEU's electric customers interconnected to OEU's electric system.

NOW THEREFORE, for and in consideration of the mutual covenants and agreements set forth herein, the Parties covenant and agree as follows:

Section 2. Interconnection

2.01. Customer shall not begin parallel operations with the OEU electric distribution system until Customer has executed OEU's electric Standard Interconnection Agreement for Small Customer-Owned Renewable Generation and is in compliance with all terms and conditions

OEU requires that the customer install and operate the RGS in accordance with all applicable safety codes and standards. OEU shall establish and enforce terms and conditions of operation and disconnection of all interconnected customer-owned renewable generation as it relates to the effect of the RGS on OEU's electric distribution system.

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Section 3. Metering

3.01 In accordance with the OEU's Standard Interconnection Agreement for Customer-Owned Renewable Generation, OEU shall install metering equipment at the point of delivery capable of recording two separate kWh meter readings: (1) the flow of electricity from OEU to the Customer (Delivered), and (2) the flow of excess electricity from the Customer to OEU. OEU shall take meter readings on the same cycle as the otherwise applicable rate schedule.

Section 4. Purchase of Excess Customer-Owned Renewable Generation

4.01. Customer-owned renewable generation shall be first used for Customer's own load and shall offset Customer's demand for OEU's electricity. All electric power and energy delivered by OEU to Customer shall be received and paid for by Customer to OEU (Received) pursuant to the terms, conditions and rates of the OEU otherwise applicable rate schedule.

4.02. Excess customer-owned renewable generation shall be delivered to the OEU Electric distribution system. For purposes of this Agreement, the term "excess customer-owned renewable generation" means any kWh of electrical energy produced by the customer-owned renewable generation system that is not consumed by Customer and is delivered to the OEU electric distribution system. FMPA agrees to purchase and receive, and Customer agrees to sell and deliver, all excess customer-owned renewable generation at the energy rate established by FMPA, which shall be calculated in accordance with Schedule A. Excess customer-owned renewable generation shall be purchased in the form of a credit on Customer's monthly energy consumption bill from OEU.

4.03. In the event that a given monthly credit for excess customer-owned renewable generation exceeds the total billed amount for Customer's consumption in any corresponding month, then the excess credit shall be applied to the subsequent month's bill. Excess energy credits produced pursuant to the preceding sentence shall accumulate and be used to offset Customer's energy consumption bill for a period of not more than twelve (12) months. At the end of each calendar year, any unused excess energy credits shall be paid by OEU to the Customer in accordance with the OEU Electric Net-Metering Service Rate Schedule.

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Electric Utility Director

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4.04. FMPA and OEU shall not be required to purchase or receive excess customer-owned renewable generation, and may require Customer to interrupt or reduce production of customer-owned renewable generation, (a) when necessary in order to construct, install, maintain, repair, replace, remove, investigate, or inspect any OEU equipment or part of OEU's system; or (b) if either FMPA or OEU determine, in their sole judgment, that curtailment, interruption, or reduction is necessary because of emergencies, forced outages, force majeure, or compliance with any applicable electric code or standard.

4.05. Customer acknowledges that its provision of electricity to OEU hereunder is on a first-offered, first-accepted basis and subject to diminution and/or rejection in the event the total amount of electricity delivered to OEU pursuant to the Net-Metering Service Rate Schedule (as filed with the Florida Public Service Commission), from all participating OEU customers, exceeds two and one-half percent (2.5%) of the aggregate customer peak demand on the OEU electric system.

Section 5. Renewable Energy Credits

5.01. Customer shall offer FMPA a first right of refusal before selling or granting to any third party the right to the Green Attributes associated with its customer-owned renewable generation that is interconnected to OEU electric distribution system. The term "Green Attributes" shall include any and all credits, certificates, benefits, environmental attributes, emissions reductions, offsets, and allowances, however entitled, attributable to the generation of electricity from the customer-owned-renewable generation and its displacement of conventional energy generation.

5.02. Any additional meter(s) installed to measure total renewable electricity generated by the Customer for the purposes of measuring Green Attributes, including and renewable energy certificates (or similarly titled credits for renewable energy generated), shall be installed at the expense of the Customer, unless determined otherwise during negotiations for the sale of the Customer's credits to FMPA.

Section 6. Term and Termination

6.01. This Agreement shall become effective upon execution by all Parties, and shall remain in effect thereafter on a month-to-month basis until terminated by any Party upon thirty (30) days written notice to all other Parties.

6.02. This Agreement shall terminate immediately and without notice upon: (a) termination of the electric distribution service by OEU or (b) failure by Customer to comply with any of the terms and conditions of this Agreement or OEU's Standard Interconnection Agreement for Customer-Owned Renewable Generation.

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Issued by: Michael Poucher, P.E.
Electric Utility Director

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Section 7. Miscellaneous Provisions

7.01. Assignment. It is understood and agreed that no party may transfer, sell, mortgage, pledge, hypothecate, convey, designate, or otherwise assign this Agreement, or any interest herein or any rights or obligations hereunder, in whole or in part, either voluntarily or by operation of law, (including, without limitation, by merger, consolidation, or otherwise), without the express written consent of the other parties (and any such attempt shall be void), which consent shall not be unreasonably withheld. Subject to the foregoing, this Agreement shall inure to the benefit of and be binding upon the parties and their respective successors and permitted assigns.

7.02. Amendment. It is understood and agreed that FMPA and OEU reserve the right, on no less than an annual basis, to change any of the terms and conditions, including pricing, in this Agreement on sixty (60) days advance written notice. FMPA and OEU may make such changes on an immediate basis in the event any applicable law, rule, regulation or court order requires them. In such event, FMPA and OEU will give Customer as much notice as reasonably possible under the circumstances.

7.03. Indemnification. To the fullest extent permitted by laws and regulations, and in return for adequate, separate consideration, Customer shall defend, indemnify, and hold harmless FMPA and OEU, their officers, directors, agents, guests, invitees, and employees from and against all claims, damages, losses to persons or property, whether direct, indirect, or consequential (including but not limited to fees and charges of attorneys, and other professionals and court and arbitration costs) arising out of, resulting from, occasioned by, or otherwise caused by the operation or misoperation of the customer-owned renewable generation, or the acts or omissions of any other person or organization directly or indirectly employed by the Customer to install, furnish, repair, replace or maintain the customer-owned renewable generation system, or anyone for whose acts any of them may be liable.

7.04. Governing Law. The validity and interpretation of this Agreement and the rights and obligations of the parties shall be governed and construed in accordance with the laws of the State of Florida without regard for any conflicts of law provisions that might cause the law of other jurisdictions to apply. All controversies, claims, or disputes arising out of or related to this Agreement or any agreement, instrument, or document contemplated hereby, shall be brought exclusively in the County or Circuit Court for Marion County, Florida, or the United States District Court sitting in Marion County, Florida, as appropriate.

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Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

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7.05. Enforcement of Agreement. In the event that either party is required to enforce this Agreement by court proceedings or otherwise, the prevailing party shall be entitled to recover all fees and costs incurred, including reasonable attorney's fees and costs for trial, alternative dispute resolution, and/or appellate proceedings.

7.06. Severability. To the extent any provision of this Agreement is prohibited by or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provision or the remaining provisions of this Agreement.

7.07. Third Party Beneficiaries and Sovereign Immunity. This Agreement is solely for the benefit of FMPA, OEU, and Customer and no right nor shall any cause of action accrue upon or by reason, to or for the benefit of any third party not a formal party to this Agreement. Nothing in this Agreement, expressed or implied, is intended or shall be construed to confer upon any person or corporation other than FMPA, OEU, or Customer, any right, remedy, or claim under or by reason of this Agreement or any of the provisions or conditions of this Agreement; and, all provisions, representations, covenants, and conditions contained in this Agreement shall inure to the sole benefit of and be binding upon FMPA, OEU, and Customer and their respective representatives, successors, and assigns. Further, no term or condition contained in this Agreement shall be construed in any way as a waiver by either FMPA or OEU of the sovereign immunity applicable to either or both of them as established by Florida Statutes, 768.28.

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Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

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IN WITNESS WHEREOF, Customer and OEU have executed this Agreement the day and year first above written.

City of Ocala Electric Utility

By: Ken Whitehead

Title: Asst. City Manager

Date: 12 / 16 / 2022

Florida Municipal Power Agency

By: [Signature]

Title: Bus Dev and Sys Ops Director

Date: 12 / 16 / 2022

Customer

By: Robert W Laub

(Print Name)

Robert W Laub
(Signature)

Date: 12/6/2022

Customer's City of Ocala Electric Utility Account Number: 001 1033 0090371 00

Approved as to form and legality:

William E. Sexton

~~Robert W. Batsel, Jr.~~ William E. Sexton
~~Assistant~~ City Attorney

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Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

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**Tri-Party Net-Metering Power Purchase Agreement
Schedule A**

I. All-Requirements Project Calculation of Excess Customer-Owned Renewable Generation Credit

- a) FMPA shall pay OEU for the excess kWh energy delivered by customer-owned renewable generation to OEU's electric system. Every month, OEU shall determine the total kWh of customer-owned renewable generation that is delivered to OEU's electric system, and shall send the information to FMPA as soon as it becomes available, but no later than the second working day of every month. FMPA will then provide a monthly payment to OEU in the form of a credit on the ARP power bill for the excess energy delivered to the distribution grid. The ARP Renewable Generation Credit will be calculated as follows:

ARP Renewable Generation Credit = Quarterly Energy Rate * Monthly kWh of excess customer-owned renewable generation

Quarterly Energy Rate = 3 month average of ARP energy rate. FMPA will update the Quarterly Energy Rate every April 1, July 1, October 1 and January 1.

- b) As part of the monthly bill adjustment, FMPA will also increase OEU's kWh billing amount by the same kWh amount as the customer-owned renewable generation purchased by FMPA. This adjustment is necessary because excess customer generation that flows onto OEU's electric system has been purchased by FMPA, but will remain on OEU's electric system and be used by OEU to meet its other customers' electric needs. As a result, OEU's monthly ARP bill will be adjusted accordingly to reflect FMPA's subsequent sale of this energy to OEU.

II. Payment for Unused Excess Energy Credits

- a) Monthly excess energy credits shall accumulate and be used to offset the Customer's following month energy consumption bill for a period of not more than twelve (12) months.
- b) At the end of each calendar year, OEU shall pay the Customer for any unused excess energy credits in accordance with the OEU Electric Net-Metering Service Rate Schedule.

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA

FIRST REVISED SHEET NO. 22.0
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Tier 2
Standard Interconnection Agreement
Customer-Owned Renewable Generation System

This Agreement is made and entered into this 6 day of December, 2022, by and between Robert Lawb (hereinafter called "Customer"), located at 3401 SW 26th A in Ocala, Florida, and the City of Ocala doing business as Ocala Electric Utility (hereafter called "OEU"), a body politic. Customer and OEU shall collectively be called the "Parties". The physical location/premise where the interconnection is taking place: 3401 SW 26th PL Ocala, FL 34474.

WITNESSETH

Whereas, a Tier 2 Renewable Generation System (RGS) is an electric generating system that uses one or of more of the following fuels or energy sources: hydrogen, biomass, solar energy, geothermal energy, wind energy, ocean energy, waste heat, or hydroelectric power as defined in Section 377.803, Florida Statutes, rated at more than 10 kilowatts (10 kW) but not greater than 100 kilowatts (100 kW) alternating current (AC) power output and is primarily intended to offset part or all of the customer's current electric requirements; and

Whereas, OEU operates an electric system serving parts of the City of Ocala and Marion County; and

Whereas, Customer has made a written Application to OEU, a copy being attached hereto, to interconnect its RGS with OEU's electrical supply grid at the location identified above; and

Whereas, the City of Ocala and the Florida Municipal Power Agency (hereinafter called "FMPA") have entered into the All-Requirements Power Supply Contract pursuant to which OEU has agreed to purchase and receive, and FMPA has agreed to sell and supply OEU with all energy and capacity necessary to operate OEU's electric system, which limits OEU's ability to directly purchase excess energy from customer-owned renewable generation; and

Whereas, in order to promote the development of small customer-owned renewable generation by permitting OEU to allow its customers to interconnect with OEU's electric system and to allow OEU customers to offset their electric consumption with customer-owned renewable generation, FMPA, in accordance with the terms and conditions of this agreement, has agreed to purchase excess customer-owned generation from OEU customers interconnected to OEU's electric system; and

Whereas, OEU desires to provide interconnection of a RGS under conditions which will insure the safety of OEU customers and employees, reliability and integrity of its distribution system;

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Electric Utility Director

Effective: October 1, 2019

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NOW, THEREFORE, for and in consideration of the mutual covenants and agreements herein set forth, the parties hereto covenant and agree as follows:

1. The Customer shall be required to enter into a Tri-Party Net-Metering Purchase Power Agreement with FMPA and OEU.
2. "Gross power rating" (GPR) means the total manufacturer's AC nameplate generating capacity of an on-site customer-owned renewable generation system that will be interconnected to and operate in parallel with OEU distribution facilities. For inverter-based systems, the GPR shall be calculated by multiplying the total installed DC nameplate generating capacity by 0.85 in order to account for losses during the conversion from DC to AC.
3. This agreement is strictly limited to cover a Tier 2 RGS as defined above. It is the Customer's responsibility to notify OEU of any change to the GPR of the RGS by submitting a new application for interconnection specifying the modifications at least 30 days prior to making the modifications. In no case should modifications to the RGS be made such that the GPR increases above the 100 kilowatts (100 kW) limit.
4. The RGS GPR must not exceed 90 percent (90%) of the Customer's OEU calculated distribution service rating at the Customer's location (including shared electric facilities). If the GPR does exceed the 90 percent (90%) limit, the Customer shall be responsible to pay the cost of upgrades to the distribution facilities required to accommodate the GPR capacity and ensure the 90 percent (90%) threshold is not breached. OEU will not allow a RGS GPR greater than required to offset the customer's annual kWh energy consumption (based on customer's historical consumption data or by means of estimated usage of similar type of service as determined by OEU).
5. The Customer shall be required to pay a non-refundable application fee of \$375 for the review and processing of the application.
6. The Customer shall fully comply with OEU's Rules and Regulations and Electric Service Specifications as those documents may be amended or revised by OEU from time to time.
7. The Customer certifies that its installation, its operation and its maintenance shall be in compliance with the following standards (or most current version at time of inspection approval):
 - a. IEEE-1547 (2018) Standard for Interconnecting Distributed Resources with Electric Power System;
 - b. IEEE-1547.1 (2005) Standard Conformance Test Procedures for Equipment Interconnection Distributed Resources with Electric Power Systems;
 - c. UL-1741 (2010) Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed *Energy Resources*.

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Electric Utility Director

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- d. The National Electric Code, state and/or local building codes, mechanical codes and/or electrical codes;
 - e. The manufacturer's installation, operation and maintenance instructions.
8. The Customer is not precluded from contracting for the lease, operation or maintenance of the RGS with a third party. Such lease may not provide terms or conditions that provide for any payments under the agreement to any way indicate or reflect the purchase of energy produced by the RGS. Customer shall not enter into any lease agreement that results in the retail purchase of electricity; or the retail sale of electricity from the customer-owned renewable generation. Notwithstanding this restriction, in the event that Customer is determined to have engaged in the retail purchase of electricity from a party other than OEU, then Customer shall be in breach of this Agreement and may be subject to the jurisdiction of the Florida Public Service Commission and to fines/penalties.
9. The Customer shall provide a copy of the manufacturer's installation, operation and maintenance instructions to OEU. If the RGS is leased to the Customer by a third party, or if the operation or maintenance of the RGS is to be performed by a third party, the lease and/or maintenance agreements and any pertinent documents related to these agreements shall be provided to OEU.
10. Prior to commencing parallel operation with OEU's electric system, Customer shall have the RGS inspected and approved by the appropriate code authorities having jurisdiction. Customer shall provide a copy of this inspection and approval to OEU.
11. The Customer agrees to permit OEU, if it should so choose, to inspect the RGS and its component equipment and the documents necessary to ensure compliance with this Agreement both before and after the RGS goes into service and to witness the initial testing of the RGS equipment and protective apparatus. OEU will provide Customer with as much notice as reasonably possible, either in writing, email, facsimile or by phone as to when OEU may conduct inspections and or document review. Upon reasonable notice, or at any time without notice in the event of an emergency or hazardous condition, Customer agrees to provide OEU access to the Customer's premises for any purpose in connection with the performance of the obligations required by this Agreement or, if necessary, to meet OEU's legal obligation to provide service to its customers. At least ten (10) business days prior to initially placing the customer-owned renewable generation system in service, Customer shall provide written notification to OEU advising OEU of the date and time at which Customer intends to place the system in service, and OEU shall have the right to have personnel present on the in-service date in order to ensure compliance with the requirements of this Agreement.

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Electric Utility Director

Effective: October 1, 2019

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12. The Customer's RGS must have an appropriately sized grid-tie inverter system that includes applicable protective systems. Customer certifies that the RGS equipment includes a utility-interactive inverter or interconnection system equipment that ceases to interconnect with the OEU system upon a loss of OEU power. The inverter shall be considered certified for interconnected operation if it has been submitted by a manufacturer to a nationally recognized testing laboratory (NRTL) to comply with UL 1741. The NRTL shall be approved by the Occupational Safety & Health Administration (OSHA).
13. If Customer adds another RGS which (i) utilizes the same utility-interactive inverter for both systems; or (ii) utilizes a separate utility-interactive inverter for each system, then Customer shall provide OEU with sixty (60) days advance written notice of the addition.
14. The Customer shall not energize the OEU system when OEU's system is deenergized. The Customer shall cease to energize the OEU system during a faulted condition on the OEU system and/or upon any notice from OEU that the deenergizing of Customer's RGS equipment is necessary. The Customer shall cease to energize the OEU system prior to automatic or non-automatic reclosing of OEU's protective devices. There shall be no intentional islanding, as described in IEEE 1547, between the Customer's and OEU's systems.
15. The Customer is responsible for the protection of its generation equipment, inverters, protection devices, and other system components from damage from the normal and abnormal operations that occur on OEU's electric system in delivering and restoring system power. Customer agrees that any damage to any of its property, including, without limitation, all components and related accessories of its RGS system, due to the normal or abnormal operation of OEU's electric system, is at Customer's sole risk and expense. Customer is also responsible for ensuring that the customer-owned renewable generation equipment is inspected, maintained, and tested regularly in accordance with the manufacturer's instructions to ensure that it is operating correctly and safely.
16. The Customer must install, at their expense, a manual disconnect switch of the visible load break type to provide a separation point between the AC power output of the customer-owned renewable generation system and any Customer wiring connected to OEU's electric system such that back feed from the customer-owned renewable generation system to OEU's electric system cannot occur when the switch is in the open position. The manual disconnect switch shall be mounted separate from the meter socket on an exterior surface adjacent to the meter. The switch shall be readily accessible to OEU and capable of being locked in the open position with an OEU padlock. When locked and tagged in the open position by OEU, this switch will be under the control of OEU.

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Electric Utility Director

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17. Subject to an approved inspection, including installation of acceptable disconnect switch, this Agreement shall be executed by OEU within thirty (30) calendar days of receipt of a completed application. Customer must execute this Agreement and return it to OEU at least thirty (30) calendar days prior to beginning parallel operations with OEU's electric system, subject to the requirements of Sections 18 and 19, below, and within one (1) year after OEU executes this Agreement.

18. Once OEU has received Customer's written documentation that the requirements of this Agreement have been met, all agreements and documentation have been received and the correct operation of the manual switch has been demonstrated to an OEU representative, OEU will, within fifteen (15) business days, send written notice that parallel operation of the RGS may commence.

19. OEU requires the Customer to maintain general liability insurance for personal injury and property damage in the amount of not less than one million dollars (\$1,000,000.00).

20. OEU will furnish, install, own and maintain metering equipment capable of measuring the flow of kilowatt-hours (kWh) of energy. The Customer's service associated with the RGS will be metered to measure the energy delivered by OEU to Customer, and also measure the energy delivered by Customer to OEU. Customer agrees to provide safe and reasonable access to the premises for installation, maintenance and reading of the metering and related equipment. The Customer shall not be responsible for the cost of the installation and maintenance of the metering equipment necessary to measure the energy delivered by the Customer to OEU.

21. The Customer shall be solely responsible for all legal and financial obligations arising from the design, construction, installation, operation, maintenance and ownership of the RGS.

22. The Customer must obtain all permits, inspections and approvals required by applicable jurisdictions with respect to the generating system and must use a licensed, bonded and insured contractor to design and install the generating system. The Customer agrees to provide OEU with a copy of the local building code official inspection and certification of installation. The certification shall reflect that the local code official has inspected and certified that the installation was permitted, has been approved, and has met all electrical and mechanical qualifications.

23. In no event shall any statement, representation, or lack thereof, either express or implied, by OEU, relieve the Customer of exclusive responsibility for the Customer's system. Specifically, any OUS inspection of the RGS shall not be construed as confirming or endorsing the system design or its operating or maintenance procedures or as a warranty or guarantee as to the safety, reliability, or durability of the RGS. OEU's inspection, acceptance, or its failure to inspect shall not be deemed an endorsement of any RGS equipment or procedure. Further, as set forth in Sections 15 and 26 of this Agreement, Customer shall remain solely responsible for any and all losses, claims, damages and/or expenses related in any way to the operation or misoperation of its RGS equipment.

(Continued on Sheet No. 22.5)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

24. Notwithstanding any other provision of this Interconnection Agreement, OEU, at its sole and absolute discretion, may isolate the Customer's system from the distribution grid by whatever means necessary, without prior notice to the Customer. To the extent practical, however, prior notice shall be given. The system will be reconnected as soon as practical once the conditions causing the disconnection cease to exist. OEU shall have no obligation to compensate the Customer for any loss of energy during any and all periods when Customer's RGS is operating at reduced capacity or is disconnected from OEU's electrical distribution system pursuant to this Interconnection Agreement. Typical conditions which may require the disconnection of the Customer's system include, but are not limited to, the following:

- a. OEU utility system emergencies, forced outages, uncontrollable forces or compliance with prudent electric utility practice.
- b. When necessary to investigate, inspect, construct, install, maintain, repair, replace or remove any OEU equipment, any part of OEU's electrical distribution system or Customer's generating system.
- c. Hazardous conditions existing on OEU's utility system due to the operation of the Customer's generation or protective equipment as determined by OEU.
- d. Adverse electrical effects (such as power quality problems) on the electrical equipment of OEU's other electric consumers caused by the Customer's generation as determined by OEU.
- e. When Customer is in breach of any of its obligations under this Interconnection Agreement or any other applicable policies and procedures of OEU.
- f. When the Customer fails to make any payments due to OEU by the due date thereof.

25. Upon termination of services pursuant to this Agreement, OEU shall open and padlock the manual disconnect switch and remove any additional metering equipment related to this Agreement. At the Customer's expense, within thirty (30) working days following the termination, the Customer shall permanently isolate the RGS and any associated equipment from OEU's electric supply system, notify OEU that the isolation is complete, and coordinate with OEU for return of OEU's lock.

26. To the fullest extent permitted by law, and in return for adequate, separate consideration, Customer shall indemnify, defend and hold harmless OEU, any and all of their members of its governing bodies, and its officers, agents, and employees for, from and against any and all claims, demands, suits, costs of defense, attorneys' fees, witness fees of any type, losses, damages, expenses, and liabilities, whether direct, indirect or consequential, related to, arising from, or in any way connected with:

- a. Customer's design, construction, installation, inspection, maintenance, testing or operation of Customer's generating system or equipment used in connection with this Interconnection Agreement, irrespective of any fault on the part of OEU.

(Continued on Sheet No. 22.6)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

- b. The interconnection of Customer's generating system with, and delivery of energy from the generating system to, OEU's electrical distribution system, irrespective of any fault on the part of OEU.
- c. The performance or nonperformance of Customer's obligations under this Interconnection Agreement or the obligations of any and all of the members of Customer's governing bodies and its officers, contractors (and any subcontractor or material supplier thereof), agents and employees.

Customer's obligations under this Section shall survive the termination of this Interconnection Agreement.

27. Customer shall not have the right to assign its benefits or obligations under this Agreement without OEU's prior written consent and such consent shall not be unreasonably withheld. If there is a change in ownership of the RGS, Customer shall provide written notice to OEU at least thirty (30) days prior to the change in ownership. The new owner will be required to assume, in writing, the Customer's rights and duties under this Agreement, or execute a new Standard Interconnection Agreement. The new owner shall not be permitted to net meter or begin parallel operations until the new owner assumes this Agreement or executes a new Agreement.

28. This Agreement supersedes all previous agreements and representations either written or verbal heretofore made between OEU and Customer with respect to matters herein contained. This Agreement, when duly executed, constitutes the only Agreement between parties hereto relative to the matters herein described. This Agreement shall continue in effect from year to year until either party gives sixty (60) days notice of its intent to terminate this Agreement.

29. This Agreement shall be governed by and construed and enforced in accordance with the laws, rules and regulations of the State of Florida and OEU's tariff as it may be modified, changed, or amended from time to time, including any amendments modification or changes to OEU's Net-Metering Service Rate Schedule, the schedule applicable to this Agreement. The Customer and OEU agree that any action, suit, or proceeding arising out of or relating to this Interconnection Agreement shall be initiated and prosecuted in the state court of competent jurisdiction located in Marion County, Florida, and OEU and the Customer irrevocably submit to the jurisdiction and venue of such court. To the fullest extent permitted by law, each Party hereby irrevocably waives any and all rights to a trial by jury and covenants and agrees that it will not request a trial by jury with respect to any legal proceeding arising out of or relating to this Interconnection Agreement.

None of the provisions of this Interconnection Agreement shall be considered waived by either Party except when such waiver is given in writing. No waiver by either Party of any one or more defaults in the performance of the provisions of this Interconnection Agreement shall operate or be construed as a waiver of any other existing or future default or defaults. If any one or more of the provisions of this Interconnection Agreement or the applicability of any provision to a

(Continued on Sheet No. 22.7)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
(Continued from Sheet No. 22.6)

FIRST REVISED SHEET NO. 22.7
CANCELS ORIGINAL SHEET NO. 22.7

specific situation is held invalid or unenforceable, the provision shall be modified to the minimum extent necessary to make it or its application valid and enforceable, and the validity and enforceability of all other provisions of this Interconnection and all other applications of such provisions shall not be affected by any such invalidity or unenforceability. This Interconnection Agreement does not govern the terms and conditions for the delivery of power and energy to non-generating retail customers of OEU's electrical distribution system.

30. This Agreement incorporates by reference the terms of the tariff filed with the Florida Public Service Commission by OEU, including OEU's Net-Metering Service Rate Schedule, and associated technical terms and abbreviations, general rules and regulations and standard electric service requirements (as may be applicable) are incorporated by reference, as amended from time to time. To the extent of any conflict between this Agreement and such tariff, the tariff shall control.

31. OEU and Customer recognize that the Florida Statutes and/or the Florida Public Service Commission Rules, including those directly addressing the subject of this Agreement, may be amended from time to time. In the event that such statutes and/or rules are amended that affect the terms and conditions of this Agreement, OEU and Customer agree to supersede and replace this Agreement with a new Interconnection Agreement which complies with the amended statutes/rules.

32. Customer acknowledges that its provision of electricity to OEU hereunder is on a first-offered first-accepted basis and subject to diminution and/or rejection in the event the total amount of electricity delivered to OEU pursuant to the OEU's Net-Metering Service Rate Schedule (as filed with the Florida Public Service Commission), from all participating OEU customers, exceeds 2.5 percent (%) of the aggregate customer peak demand on OEU's electric system.

33. This Agreement is solely for the benefit of OEU and Customer and no right nor any cause of action shall accrue upon or by reason, to or for the benefit of any third party not a formal party to this Agreement. Nothing in this Agreement, expressed or implied, is intended or shall be construed to confer upon any person or corporation other than OEU or Customer, any right, remedy, or claim under or by reason of this Agreement or any of the provisions or conditions of this Agreement; and, all provisions, representations, covenants, and conditions contained in this Agreement shall inure to the sole benefit of and be binding upon OEU and Customer and their respective representatives, successors, and assigns. Further, no term or condition contained in this Agreement shall be construed in any way as a waiver by OEU of the sovereign immunity applicable to OEU as established by Florida Statutes, 768.28.

(Continued on Sheet No. 22.8)

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

OCALA ELECTRIC UTILITY
OCALA, FLORIDA
(Continued from Sheet No. 22.7)

FIRST REVISED SHEET NO. 22.8
CANCELS ORIGINAL SHEET NO. 22.8

IN WITNESS WHEREOF, Customer and OEU have executed this Agreement the day and year first above written.

OUS:

By: Ken Whitehead

Title: Asst. City Manager

Date: 12 / 16 / 2022

Customer:

By: Robert W Laub

(Print Name)

Robert W Laub

(Signature)

Date: 12/6/2022

City of Ocala Electric Utility Account Number:

001 1033 00903711X0

Approved as to form and legality:

William E. Sexton

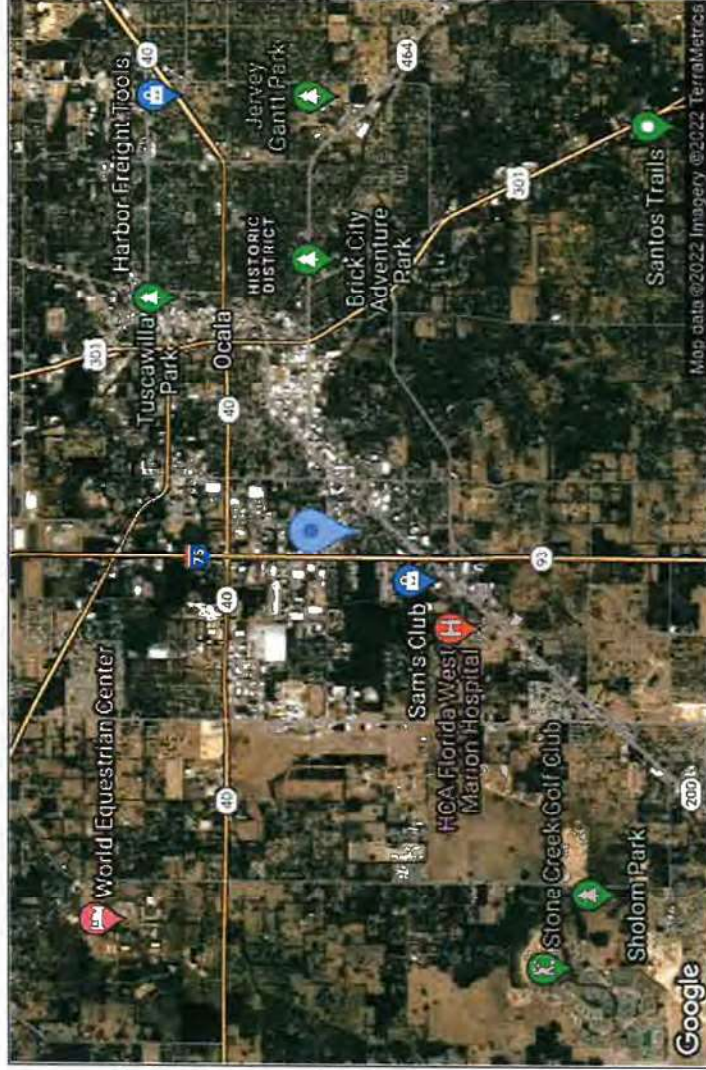
~~Robert W. Batsel, Jr.~~ William E. Sexton
~~Assistant~~ City Attorney

Issued by: Michael Poucher, P.E.
Electric Utility Director

Effective: October 1, 2019

ROBERT LAUB

3401 SW 26TH PL, OCALA, FL 34474, USA



01 VICINITY

ROBERT LAUB		CONTRACTOR: EC13011090	 FLORIDA ECO ELECTRIC 413 E ALFRED ST. TAVARES, FL 32778 352-460-0402
3401 SW 26TH PL, OCALA, FL 34474, USA		ECUIP, Inc. (a.k.a. E.E., Inc.) 3140 W KENNEDY BLVD #106, TAMPA FL 33609 CA 33343	
PROJECT ID 061022-FEE/LAUB			



02 AERIAL

PROJECT INFORMATION

DISTRICTS
COUNTY: MARION COUNTY
JURISDICTION: MARION COUNTY

DESIGN SPECS
WIND EXPOSURE: B
WIND SPEED (MPH): 130
SNOW LOAD (PSF): 0

GOVERNING CODES
BUILDING: FBC 2020/ASCE 7-16
ELECTRICAL: NEC 2017
FIRE: FPFC, 7th ed (2020)/NFPA 1 2018 ed.

SYSTEM
SIZE (KWDC): 15.84
PANELS: 36
PANEL: FAM40E8G
INVERTER(S): GENERAC XYT076A03X2
VOLTAGE (V): 240

SHEET INDEX

T01	COVER
S01	LAYOUT
SF01	FIRE SAFETY
SP01-SPXX	ATTACHMENT PLAN
SA01-SAxx	ATTACHMENT DETAIL
SD01-SDxx	STRUC DATASHEETS
E01	LINE DIAGRAM
EL01	LABELS
ED01-EDxx	ELEC DATASHEETS

DATE	BY	VER	DESCRIPTION
06 10 22	RG	00	INITIAL DESIGN
06 30 22	RG	01	ADDED FIRE SAFETY PLAN

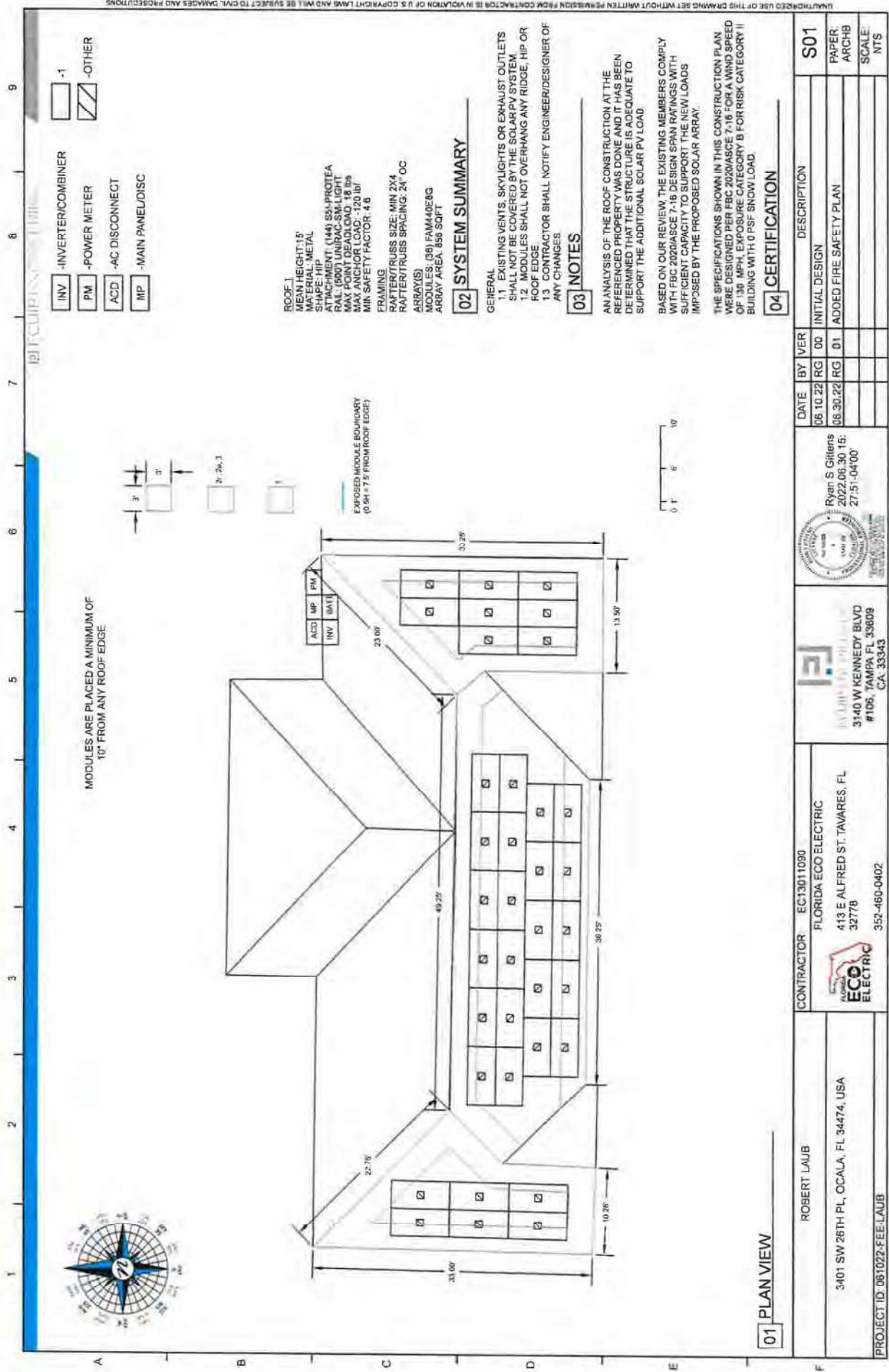


ECUIP, Inc. (a.k.a. E.E., Inc.) 3140 W KENNEDY BLVD #106, TAMPA FL 33609 CA 33343
--

FLORIDA ECO ELECTRIC 413 E ALFRED ST. TAVARES, FL 32778 352-460-0402
--

ROBERT LAUB	CONTRACTOR: EC13011090
3401 SW 26TH PL, OCALA, FL 34474, USA	FLORIDA ECO ELECTRIC 413 E ALFRED ST. TAVARES, FL 32778 352-460-0402
PROJECT ID 061022-FEE/LAUB	

T01	DESCRIPTION
PAPER:	
ARCH:	
SCALE:	
NTS	



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ELCUP-11112221

NFPA 11.12.2.2.2 FOR RESIDENTIAL HOMES

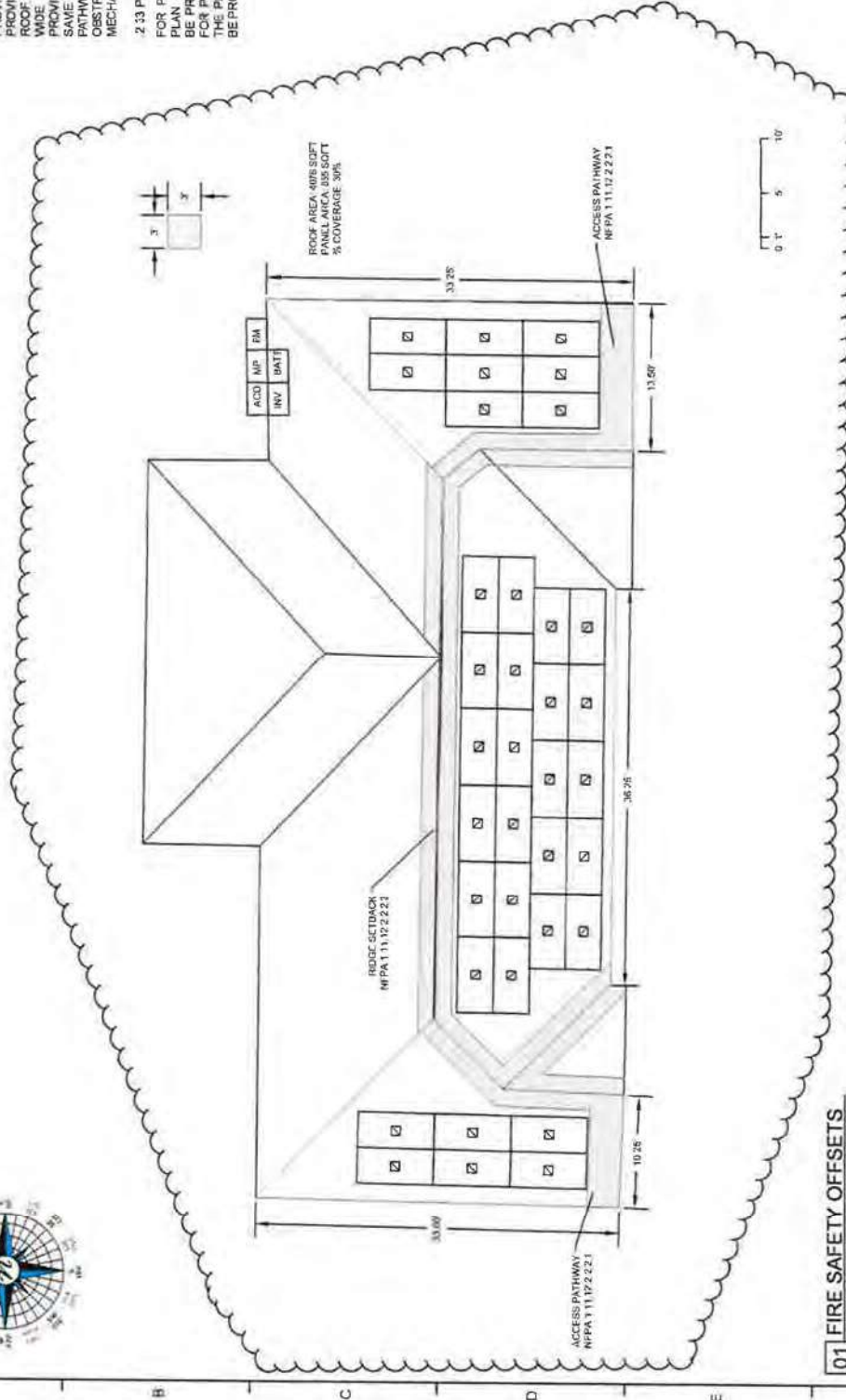


1 PATHWAYS

NOT LESS THAN TWO 36IN WIDE PATHWAYS ON SEPARATE ROOF PLANES FROM GUTTER TO RIDGE SHALL BE PROVIDED ON ALL ROOFS. ONE PATHWAY SHALL BE PROVIDED ON THE STREET OR DRIVEWAY SIDE OF THE ROOF FOR EACH ROOF PLANE WITH A PV ARRAY. A 36IN WIDE PATHWAY FROM GUTTER TO RIDGE SHALL BE PROVIDED ON THE SAME ROOF PLANE OR STRADDLING THE SAME AND ADJACENT ROOF ADJACENT ROOF PLANES. PATHWAYS SHALL BE LOCATED IN AREAS WITH MINIMAL OBSTRUCTIONS SUCH AS VENT PIPES, CONDUIT, OR MECHANICAL EQUIPMENT.

2 33 PERCENT RULE

FOR PV ARRAYS OCCUPYING UP TO 33 PERCENT OF THE ROOF AREA, A MINIMUM 18IN PATHWAY SHALL BE PROVIDED ON EITHER SIDE OF A HORIZONTAL RIDGE. FOR PV ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW AREA, A MINIMUM OF 36IN PATHWAY SHALL BE PROVIDED ON EITHER SIDE OF A HORIZONTAL RIDGE.



01 FIRE SAFETY OFFSETS

DATE	BY	VER	DESCRIPTION	SF01
06.10.22	RG	00	INITIAL DESIGN	
06.30.22	RG	01	ADDED FIRE SAFETY PLAN	PAPER ARCHB
				SCALE NTS

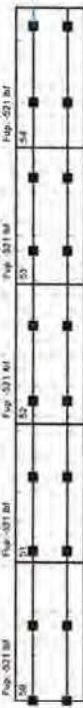
PROJECT ID: 061022-FEE-LAUB	CONTRACTOR: EC13011090 FLORIDA ECO ELECTRIC 413 E ALFRED ST. TAVARES, FL 32778 352-460-0402	3140 W KENNEDY BLVD #106, TAMPA FL 33609 CA 33343		Ryan S. Gillens 2022.06.30.15. 28.04-04'00'
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RECURRING

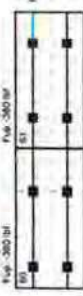
ROW 5 (5 MODS)

ROW SPAN: 45'
MAX CANTILEVER: 15'
UP/LIFTING: Fw: -2600 lb
ANCHORS: 12
LOAD/ANCHOR: 1x -120 lb
TEST LOAD/ANCHOR: -550 lb
SF: 4.0
DIST. LOAD: Fwd: 3.96 psf
POINT LOAD: Fwd: 17.6 lbs
ROOF PITCH: 7:20 deg
PANEL TILT: 0-2 deg



ROW 6 (2 MODS)

ROW SPAN: 45'
MAX CANTILEVER: 15'
UP/LIFTING: Fw: -781 lb
ANCHORS: 12
LOAD/ANCHOR: 1x -85 lb
TEST LOAD/ANCHOR: -550 lb
SF: 8.51
DIST. LOAD: Fwd: 3.96 psf
POINT LOAD: Fwd: 17.6 lbs
ROOF PITCH: 7:20 deg
PANEL TILT: 0-2 deg



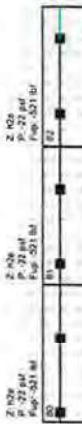
ROW 7 (3 MODS)

ROW SPAN: 45'
MAX CANTILEVER: 15'
UP/LIFTING: Fw: -1141 lb
ANCHORS: 12
LOAD/ANCHOR: 1x -85 lb
TEST LOAD/ANCHOR: -550 lb
SF: 8.51
DIST. LOAD: Fwd: 3.96 psf
POINT LOAD: Fwd: 17.6 lbs
ROOF PITCH: 7:20 deg
PANEL TILT: 0-2 deg



ROW 8 (3 MODS)

ROW SPAN: 45'
MAX CANTILEVER: 15'
UP/LIFTING: Fw: -1141 lb
ANCHORS: 12
LOAD/ANCHOR: 1x -120 lb
TEST LOAD/ANCHOR: -550 lb
SF: 8.51
DIST. LOAD: Fwd: 3.96 psf
POINT LOAD: Fwd: 17.6 lbs
ROOF PITCH: 7:20 deg
PANEL TILT: 0-2 deg



ROW 9 (3 MODS)

ROW SPAN: 45'
MAX CANTILEVER: 15'
UP/LIFTING: Fw: -1141 lb
ANCHORS: 12
LOAD/ANCHOR: 1x -120 lb
TEST LOAD/ANCHOR: -550 lb
SF: 8.51
DIST. LOAD: Fwd: 3.96 psf
POINT LOAD: Fwd: 17.6 lbs
ROOF PITCH: 7:20 deg
PANEL TILT: 0-2 deg

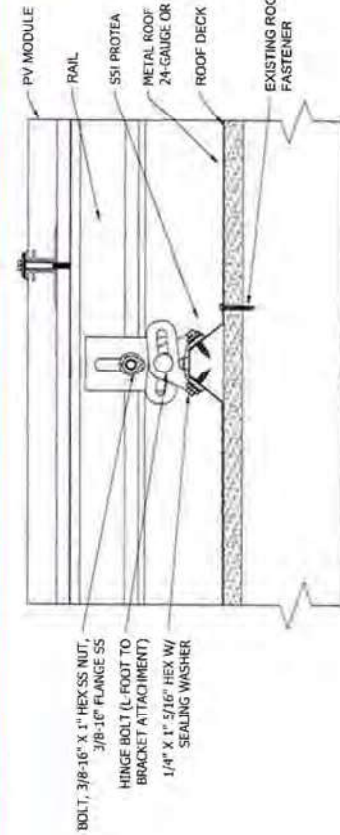


DATE		BY	VER	DESCRIPTION		SP02
08.10.22		RG	00	INITIAL DESIGN		PAPER:
08.30.22		RG	01	ADDED FIRE SAFETY PLAN		ARCHB
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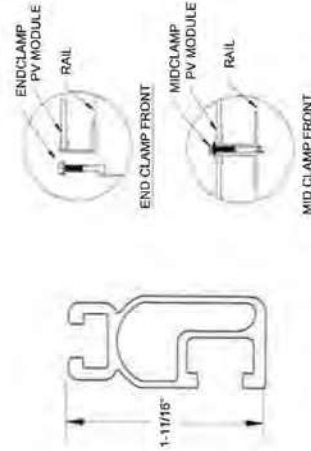
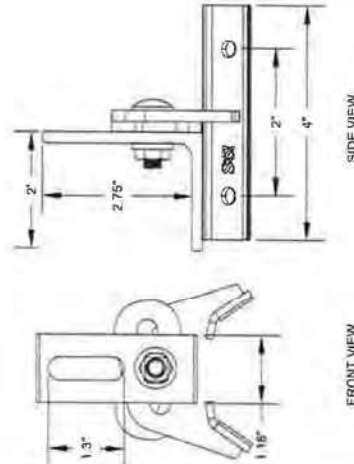
Ryan S. Gillette 2022.06.30 15: 28.33-04'00"	
FLORIDA ECO ELECTRIC 3140 W KENNEDY BLVD #106, TAMPA FL 33609 CA 33343	
CONTRACTOR: EC13011090 FLORIDA ECO ELECTRIC 413 E ALFRED ST. TAVARES, FL 32778 352-460-0402	
ROBERT LAUB 3401 SW 26TH PL, OCALA, FL 34474, USA	
PROJECT ID: 061022-FEE-LAUB	

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191 EQUIPMENT DETAILS



01 ANCHORAGE DETAIL



04 RAIL & CLAMPS DETAIL

03 ANCHOR DETAIL

ROBERT LAUB
3401 SW 26TH PL, OCALA, FL 34474, USA
PROJECT ID: 061022-FEE-LAUB

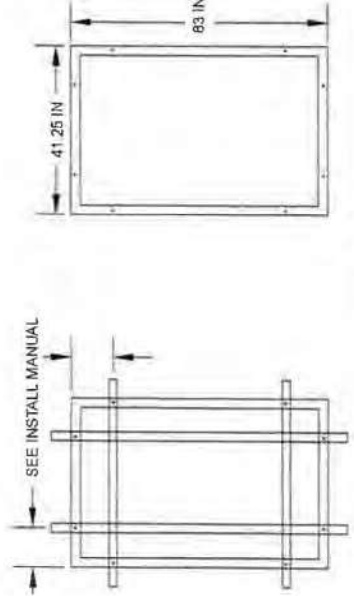
CONTRACTOR: ECT301090
FLORIDA ECO ELECTRIC
413 E ALFRED ST. TAVARES, FL 32778
352-460-0402

3140 W KENNEDY BLVD
#106, TAMPA FL 33606
CA 33343

Ryan S. Gillens
2022.06.30.15.
28-50-04'00"

DATE: 06.10.22 BY: RG 00
VER: 00
DESCRIPTION: INITIAL DESIGN
PAPER: ARCH-B
SCALE: NTS

05 MODULE DETAILS



FAM40EBG

02 NOTES

- GENERAL
- 1.1 DESIGNED PER FBC 2020/VASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES
 - 1.2 CONTRACTOR IS RESPONSIBLE FOR INSTALLING PV MODULES, RACKING & RACKING SUPPORTS IN ACCORDANCE WITH THE MANUFACTURER INSTALLATION INSTRUCTIONS NOT SHOWN IN THIS PLAN.
 - 1.3 WITHDRAWAL VALUES GIVEN PER NDS 2015 BASED ON SG OF 0.5 OR MANUFACTURER SUPPLIED 3RD PARTY UPLIFT TESTING REPORTS WITH APPLICABLE SAFETY FACTORS
 - 1.4 ALL PENETRATIONS SHALL BE FLASHED OR SEALED IN A MANNER THAT PREVENTS MOISTURE FROM ENTERING THE WALL AND ROOF USING ASTM C920 COMPLAINT SEALANT IN PILOT HOLES AND AROUND FASTENERS
 - 1.5 THE SUPPORTING ROOF STRUCTURE SHALL BE CONVENTIONAL WOOD FRAMED CONSTRUCTION WITH PRE-ENGINEERED TRUSSES OR ROOF FRAMING MEMBERS AT A SPACING OF 24 IN MAXIMUM ON CENTER
 - 1.6 EXISTING STRUCTURE IS ASSUMED TO BE IN COMPLIANCE WITH APPLICABLE BUILDING CODES AT THE TIME OF CONSTRUCTION
 - 1.7 CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONDITION CHANGES

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The right way to attach solar PV to trapezoidal roof profiles!

ProteaBracket™
A versatile bracket for
mounting solar PV to
trapezoidal roof profiles

ProtealBracket™ is now made in aluminum. Still the most versatile trapezoidal metal roof attachment solution on the market, the S-51 ProtealBracket just got better!

The bracket features an adjustable attachment base and module attachment options to accommodate different roof profile dimensions and mounting orientations.

Our pre-applied EPDM gasket with peel and stick adhesive makes installation a snap, ensuring accurate and secure placement the first time.

With no messy sealants, faster installation, and a weather-proof fit, ProSealBracket offers you the most versatile solar attachment solution available.

ProteinBracket™ can be used for rail mounting or "direct-attach" with S-51 PVKIT™

Features and Benefits

- 34% lighter - saves on shipping
- Stronger L-Foot™
- Load-tested for engineered application
- Corrosion-resistant materials
- Adjustable - Fits rib profiles up to 3"
- Peel-and-Stuck prevents accidental shifting during installation
- Fully pre-assembled
- 25-year warranty*

- Peel-and-Stick prevents accidental shifting during installation
- Fully pre-assembled
- 25-year warranty*

Synthetic Biology provides a self-organizing system that can adapt to its environment.

NEW

**NOW AVAILABLE
IN ALUMINUM**

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CONTRACTOR: EC13011090

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413 E ALFRED ST. TAVARES, FL
32778
352-460-0402

PROJECT ID: 061022-FEE-LAUB

S-5!
The Right Way!

ProteasBracket™ is compatible with common metal roofing materials and comes with a pre-applied EPDM gasket on the base.

For design assistance, ask your distributor, or visit www.S-5.com for the independent lab test data that can be used for load-critical designs and applications. Also, please visit our website for more information including metallurgical compatibilities and specifications.

5-51® holding strength is unmatched in the industry

S-51® holding strength is unmatched in the industry.

Multiple Attachment Options:



**Side
Mount Rail**

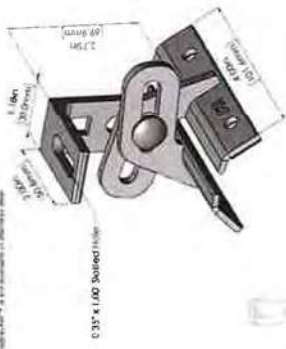


**Bottom
Mount Rail**



**w/ S-5!
PVKIT™
(rail-less)**

Proteabacket™



**ProteaBracket fits profiles
up to 3 inches**

INSTALLATION:

- No surface preparation needed:** (1) Wipe away excess oil and debris. (2) Peel off adhesive release agent. (3) Align and mount it back directly onto crown of panel. (4) Secure ProTackBriK through pre-punched holes, using precisely-pinned 5-3/8 screws.



Proteobrack[®] and the 5.5:PVAT[™] 2.0 mounted on a tropicoid roof profile

Distributed by

5-STAR Warning! Please use this product responsibly!
Products are produced by multiple U.S. and foreign factories. For product data regarding holding strength, belt torque, pattern, and trade-marks, visit the 5-STAR website at www.5-star.com.

ROBERT LAUB		CONTRACTOR: EC13011090		 413 E ALFRED ST. TAVARES, FL 32778 352-460-0402		 EQUIPMENT INSPECTION INC. 3140 W KENNEDY BLVD #106, TAMPA FL 33609 CA: 33343		 Ryan S Glittens 2022.06.30 '15; 25-08-04-00'		DATE BY VER 06/10/22 RG 00 INITIAL DESIGN 06/30/22 RG 01 ADDED FIRE SAFETY PLAN DESCRIPTION		SD01	
3401 SW 26TH PL, OCALA, FL 34474, USA		PROJECT ID: 061022-FEE-LAUB								PAPER: ARCHB		SCALE: NTS	

GENERAL

- 1.1. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH NEC 702.45.4.5, 7-16, AND NEC 2017 REQUIREMENTS AND EQUIPMENT INSTALLATION INSTRUCTIONS NOT SHOWN IN THIS PLAN.
- 1.2. CONDUCTOR TYPES SHALL MEET THE REQUIREMENTS SET FORTH IN NEC 310.10 BASED ON INSTALLATION LOCATION.
- 1.3. DIRECT-CURRENT PHOTOVOLTAIC SOURCE AND OUTPUT CIRCUITS INSIDE A BUILDING SHALL BE CONFINED TO METAL RACEWAYS 600-3(G).
- 1.4. CONDUCTOR TYPES SHALL MEET THE REQUIREMENTS SET FORTH IN NEC 310.10 AND NEC 310.15(4B).
- 1.5. CONDUCTOR SIZING IS BASED ON RACEWAYS NOT EXPOSED TO DIRECT SUNLIGHT. 10% OF CIRCUIT LENGTH CAN BE EXPOSED DIRECT SUNLIGHT UP TO 1'0". NEC 310.15(2).

SYSTEM SPECIFIC

- 2.1. THE OUTPUT VOLTAGE OF THE POWER CONVERTERS ARE REGULATED BY THE INVERTER AT 300V AND ARE NOT IMPACTED BY THE NUMBER OF MODULES IN THE STRING. THE CONTINUOUS CURRENT OF A SINGLE STRING IS EQUAL TO THE MAXIMUM OUTPUT CURRENT OF THE CONVERTER OF A MODULE MULTIPLIED BY THE NUMBER OF OPTIMIZERS.
- 2.2. THE INVERTER IS EQUIPPED WITH A RAPID SHUTDOWN FEATURE WHICH CONFORMS TO NEC 690.12 THROUGH USE OF SNAP RS DEVICES.
- 2.3. THE INVERTER IS NON-ISOLATED AND UNGROUNDED. NEITHER THE NEGATIVE NOR POSITIVE CONDUCTOR IS GROUNDED AND HAS A COMMON AC AND DC GROUNDING TERMINAL. THEREFORE NO DC GEC IS REQUIRED.
- 2.4. INTEGRATED DC DISCONNECT IS PROVIDED WITH INVERTER.
- 2.5. UTILITY CONNECTION IS MADE ON LOAD SIDE OF SERVICE DISCONNECT IN ACCORDANCE WITH 706.12(B)(3)(1)(b).
- 2.6. BATTERY CONDUCTOR RUN LONGER THAN AFT OR WHERE CONDUCTORS PASS THROUGH BATTERY CONNECTIONS, DC SAFETY SWITCH AT THE BATTERY END PER NEC 706.7(E).
- 2.7. DC GROUND FAULT DETECTOR IS INVERTER INTEGRATED.

GROUNDING

- 3.1.3.1 ALL EQUIPMENT SHALL BE PROPERLY GROUNDED PER THE REQUIREMENTS OF NEC ARTICLE 250.4.5. ALL EQUIPMENT SHALL BE GROUNDED TO MOUNTING RAILS USING MODULE LUGS OR RACKING MODULES 250.4.5. 3.1.3.2 PY MODULES SHALL BE GROUNDED TO MOUNTING RAILS USING MODULE LUGS OR RACKING MODULES 250.4.5. 3.1.3.3 GROUNDCING CONDUCTOR CLAMPS AS ALLOWED BY LOCAL JURISDICTION. EQUIPMENT 3.1.3.4 EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN ACCORDANCE WITH NEC 250.126(C). 3.1.3.5 EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED ACCORDING TO NEC ARTICLE 250.4.5, AND BE A MINIMUM OF #10 AWG WHEN NOT EXPOSED TO DAMAGE, AND #6 AWG SHALL BE USED WHEN EXPOSED TO DAMAGE.

1	GENERAL NOTES
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4	STRING OPTIONS
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INVERTER 1: XVT076A03			
STRING OPTIONS:	A-13 MOOS B-08 MGOS	DC/AC RATING (%)	Imp
# MODULES	STC DC POWER (KW)	7.92	104
18			20.84

INVERTER 2: XVT076A03			
STRING OPTIONS:	A-13 MOOS B-08 MGOS	DC/AC RATING (%)	Imp
# MODULES	STC DC POWER (KW)	7.92	104
18			20.84

2 OPTIMIZER RATINGS

PV MODULE RATINGS (ATC)	
MODULE NAME	URE
MODULE MODEL	PAM40P100
RATED POWER	440 W
OPEN CIRCUIT VOLTAGE	48.00 V
MAX VOLTAGE (2 IED)	53.22 V
SHORT CIRCUIT CURRENT	11.34 A
MAX. POWER POINT VOLTAGE	41.00 V
MAX. POWER POINT CURRENT	10.74 A

3	MODULE RATINGS
---	----------------

INVERTER 1: XVT076A03			
STRING OPTIONS:	A-13 MOOS B-08 MGOS	DC/AC RATING (%)	Imp
# MODULES	STC DC POWER (KW)	7.92	104
18			20.84

INVERTER 2: XVT076A03			
STRING OPTIONS:	A-13 MOOS B-08 MGOS	DC/AC RATING (%)	Imp
# MODULES	STC DC POWER (KW)	7.92	104
18			20.84

5 INVERTER RATINGS

BATTERY RATINGS	
CONVERTER MAX	GVN/RAC
CONVERTER MODUL	PWR'd
BATT. MODULES	8
USABLE ENERGY	118
WASH AC POWER	0.7
MAX AC POWER	9
INPUT/OUTPUT VOLTAGE	200-400 V
OUTPUT/HP EFFICIENCY	98.5 %

6 BATTERY RATINGS

WIRE RUN	V_{ph}	I_{ph}	R (OHMS/FT)	L (H)	# CONDUCTORS	ADJUSTMENT FACTOR	CONDUCT	CONDUCTOR TYPE	SIZE	TEMP RATING (C)	AMPACTY (A)	EGG SIZE
WIRE RUN TO PV SOURCE,	350	14.00	1.24	96	8		NONE		#10	75	35	NA
TO BOX,												
1. JUNCTION	350	14.00	1.24	96	8	0.80	1/2" PVC/MC/EMT	THHN/11MM-2	#10	75	35	#10
2. BATTERY	350	14.00	1.24	96	8	0.80	1/2" PVC/MC/EMT	THHN/11MM-2	#10	75	35	#10
3. INVERTER	350	17.00	1.24	73	2	1.00	1/2" PVC/MC/EMT	THHN/11MM-2	#10	75	35	#10
4. AC INPUT	340	32	0.778	48	2	1.00	1/2" PVC/MC/EMT	THHN/11MM-2	#8	75	50	#10
5. AC OUTPUT PHASE	340	32	0.778	48	2	1.00	1/2" PVC/MC/EMT	THHN/11MM-2	#8	75	50	#10
6. AC OUTPUT TO	240	32	0.778	48	3	1.00	1/2" PVC/MC/EMT	THHN/11MM-2	#8	75	50	#10
7. COMB. TQ												
8. DISC TO	240	84	0.308	81	3	1.00	1" PVC/MC/EMT	THHN/11MM-2	#4	75	85	#8
9. DISC TO	240	84	0.308	81	3	1.00	1" PVC/MC/EMT	THHN/11MM-2	#4	75	85	#8
10. COMB TO	240	84	0.308	81	3	1.00	1" PVC/MC/EMT	THHN/11MM-2	#4	75	85	#8

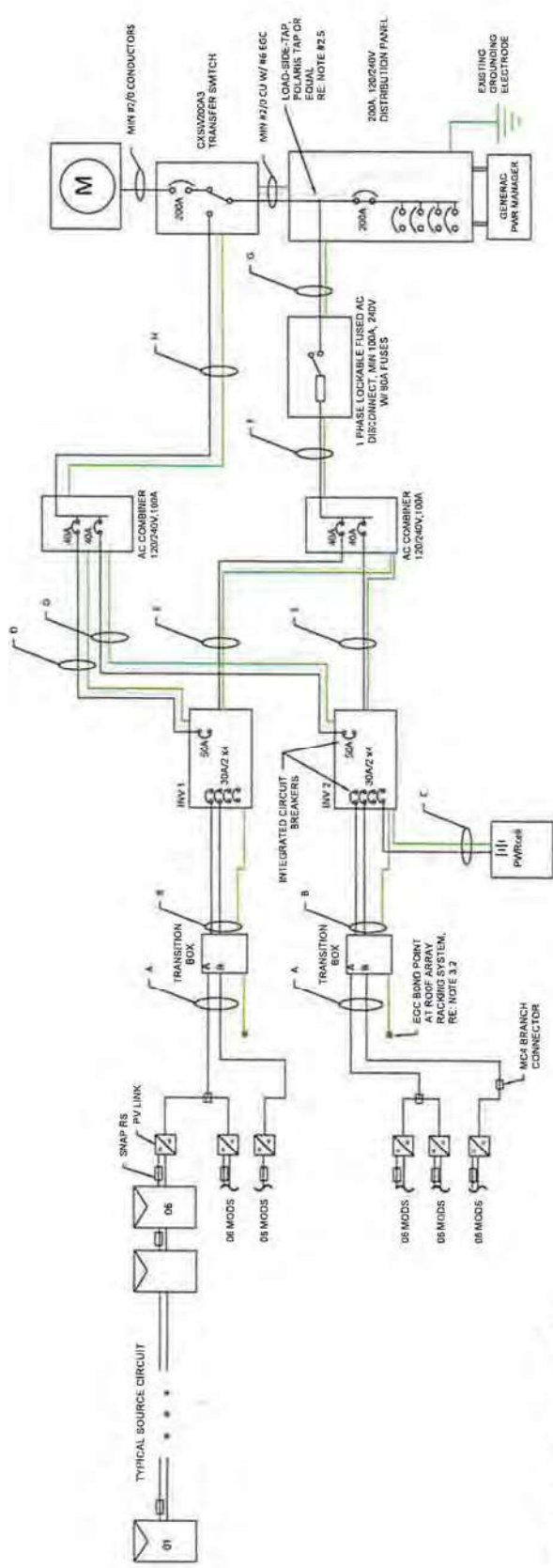
8	CONDUCTOR SCHEDULE & VOLTAGE CALCS
---	------------------------------------

ROBERT LAUB		CONTRACTOR: EG13011090 FLORIDA ECO ELECTRIC		 413 E ALFRED ST. TAVARES, FL 32778 352-460-0402		 Ryan S Gillians 2022.06.30 15: 29:41:04'00"		DATE 06 10 22 BY RG VER 00 DESCRIPTION INITIAL DESIGN		E01
3401 SW 26TH PL., OCALA, FL 34474, USA				 FLORIDA ECO ELECTRIC #105 KENNEDY BLVD #105 TAMPA FL 33609 CA. 33343				08-30-22 RG 01 ADDED FIRE SAFETY PLAN		PAPER: ARCHIB
PROJECT ID 061022-FEE-LAUB										SCALE NTS

1 2 3 4 5 6 7 8 9

A B C D E F

EQUIPMENT



01 ELECTRICAL LINE DIAGRAM

ROBERT LAUB		CONTRACTOR: EC13011093		FLORIDA ECOELECTRIC		E02	
3401 SW 26TH PL, OCALA, FL 34474, USA		413 E ALFRED ST TAVARES, FL 32778		352-460-0402		PAPER: ARCHB	
PROJECT ID: 061022-FEE-LAUB		Ryan S Gittens 2022.06.30 15:30:00-04'00'		DATE: 06.10.22 BY: RG VER: 00		SCALE: NTS	
		EQUIP E & NINE NORTH 3140 W KENNEDY BLVD #106, TAMPA FL 33608 CA 33343		DATE: 06.30.22 BY: RG VER: 01		DESCRIPTION: INITIAL DESIGN	
		EQUIP E & NINE NORTH 3140 W KENNEDY BLVD #106, TAMPA FL 33608 CA 33343				ADDED FIRE SAFETY PLAN	

UNAUTHORIZED USE OF THIS DRAWING SET WITHOUT WRITTEN PERMISSION FROM CONTRACTOR IS IN VIOLATION OF U.S. COPYRIGHT LAWS AND WILL BE SUBJECT TO CIVIL DAMAGES AND PROSECUTIONS



WARNING
ELECTRICAL SHOCK HAZARD
TERMINALS ON THE LINE AND LOAD
SIDES MAY BE ENERGIZED IN THE
OPEN POSITION

NEC 690.13(B)
LOCATION(S): 3, 4

**PHOTOVOLTAIC
DISCONNECT**

NEC 690.13(B)
LOCATION(S): 3, 4

**WARNING: PHOTOVOLTAIC
POWER SOURCE**

NFPA 1112.2.1.3, NEC 690.31(G)(3)
LOCATION(S): 1, 2

**WARNING: DUAL POWER SOURCE
SECOND SOURCE IS PHOTOVOLTAIC SYSTEM**

NEC 705.12(B)(3)
LOCATION(S): 5

CAUTION
POWER TO THIS BUILDING IS
ALSO SUPPLIED FROM A
PHOTOVOLTAIC SYSTEM
WITH DISCONNECTS
LOCATED WITH
UTILITY DISCONNECT

NFPA 1112.2.1.4
LOCATION(S): 4, 5

**SOLAR PV SYSTEM EQUIPPED
WITH RAPID SHUTDOWN**

TURN RAPID
SHUTDOWN
SWITCH TO THE
"OFF" POSITION TO
SHUT DOWN PV
SYSTEM
AND REDUCE
SHOCK HAZARD IN
THE ARRAY

NFPA 1112.2.1.1.1, NEC 690.56(C)(1)
LOCATION(S): 5

**RAPID SHUTDOWN SWITCH
FOR SOLAR PV SYSTEM**

NFPA 1112.2.1.1.6, NEC 690.56(C)(3)
LOCATION(S): 4

**SYSTEM SERVICED BY:
FLORIDA ECO ELECTRIC
352-460-0402**

NFPA 1112.2.1.5, NEC 690.56(B), 705.10
LOCATION(S): 5

MAXIMUM VOLTAGE	240 V
MAXIMUM CIRCUIT CURRENT	64 A

NEC 690.54
LOCATION(S): 5

MAXIMUM VOLTAGE	420 V
MAXIMUM CIRCUIT CURRENT	20 A
MAX RATED OUTPUT CURRENT OF CHARGE CONTROLLER OR DC-DC CONVERTER (IF INSTALLED)	8 A

NEC 690.53
LOCATION(S): 3 (INV 1)

MAXIMUM VOLTAGE	420 V
MAXIMUM CIRCUIT CURRENT	20 A
MAX RATED OUTPUT CURRENT OF CHARGE CONTROLLER OR DC-DC CONVERTER (IF INSTALLED)	8 A

NEC 690.53
LOCATION(S): 3 (INV 2)

01 LABELS

02 NOTES

- GENERAL
- 1.1 LABEL MATERIALS SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT, NEC 110.21(B)(3).
 - 1.2 EXACT MATERIALS USED ARE SUBJECT TO THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
 - 1.3 LABELS SHALL BE A MINIMUM LETTER HEIGHT OF 3/8" AND PERMANENTLY AFFIXED.

PROJECT ID: 061022-FEE-LAUB	3401 SW 26TH PL, OCALA, FL 34474, USA	CONTRACTOR: EC13011090 FLORIDA ECO ELECTRIC 413 E ALFRED ST. TAVARES, FL 32778 352-460-0402	DATE: 06.10.22 BY: RG VER: 00	DESCRIPTION: INITIAL DESIGN	EL01
PAPER: ARCHB			ADDED FIRE SAFETY PLAN		
SCALE: NTS					



FLORIDA ECO ELECTRIC
3140 W KENNEDY BLVD
#106, TAMPA FL 33609
CA 33343

1 2 3 4 5 6 7 8 9



Store & Storage is simple with the Generac PWRCELL Inverter. This bidirectional BEBus™ powered inverter offers a simple, efficient design for integrating smart batteries with solar. Ideal for self-supply, backup power, farm export and energy cost management, the PWRCELL Inverter is the industry's most feature-rich line of inverters, available in single phase and three phase models.

FEATURES & BENEFITS

- Single inverter for grid-tied solar with smart battery integration
- Simplified system design: No mid-transformer or battery inverter needed
- User-selectable modes for backup power, self-supply, time-of-use, zero-import and export limiting
- Free system monitoring included via PWRview™ Web Portal and Mobile App

48V BATTERY BANKING BY	WATTAGE	WATTAGE	WATTAGE	WATTAGE
48V 100Ah (100Ah x 2) = 200Ah	100W	100W	100W	100W
48V 200Ah (200Ah x 2) = 400Ah	200W	200W	200W	200W
48V 300Ah (300Ah x 2) = 600Ah	300W	300W	300W	300W
48V 400Ah (400Ah x 2) = 800Ah	400W	400W	400W	400W
48V 500Ah (500Ah x 2) = 1000Ah	500W	500W	500W	500W
48V 600Ah (600Ah x 2) = 1200Ah	600W	600W	600W	600W
48V 700Ah (700Ah x 2) = 1400Ah	700W	700W	700W	700W
48V 800Ah (800Ah x 2) = 1600Ah	800W	800W	800W	800W
48V 900Ah (900Ah x 2) = 1800Ah	900W	900W	900W	900W
48V 1000Ah (1000Ah x 2) = 2000Ah	1000W	1000W	1000W	1000W
48V 1200Ah (1200Ah x 2) = 2400Ah	1200W	1200W	1200W	1200W
48V 1400Ah (1400Ah x 2) = 2800Ah	1400W	1400W	1400W	1400W
48V 1600Ah (1600Ah x 2) = 3200Ah	1600W	1600W	1600W	1600W
48V 1800Ah (1800Ah x 2) = 3600Ah	1800W	1800W	1800W	1800W
48V 2000Ah (2000Ah x 2) = 4000Ah	2000W	2000W	2000W	2000W
48V 2200Ah (2200Ah x 2) = 4400Ah	2200W	2200W	2200W	2200W
48V 2400Ah (2400Ah x 2) = 4800Ah	2400W	2400W	2400W	2400W
48V 2600Ah (2600Ah x 2) = 5200Ah	2600W	2600W	2600W	2600W
48V 2800Ah (2800Ah x 2) = 5600Ah	2800W	2800W	2800W	2800W
48V 3000Ah (3000Ah x 2) = 6000Ah	3000W	3000W	3000W	3000W
48V 3200Ah (3200Ah x 2) = 6400Ah	3200W	3200W	3200W	3200W
48V 3400Ah (3400Ah x 2) = 6800Ah	3400W	3400W	3400W	3400W
48V 3600Ah (3600Ah x 2) = 7200Ah	3600W	3600W	3600W	3600W
48V 3800Ah (3800Ah x 2) = 7600Ah	3800W	3800W	3800W	3800W
48V 4000Ah (4000Ah x 2) = 8000Ah	4000W	4000W	4000W	4000W
48V 4200Ah (4200Ah x 2) = 8400Ah	4200W	4200W	4200W	4200W
48V 4400Ah (4400Ah x 2) = 8800Ah	4400W	4400W	4400W	4400W
48V 4600Ah (4600Ah x 2) = 9200Ah	4600W	4600W	4600W	4600W
48V 4800Ah (4800Ah x 2) = 9600Ah	4800W	4800W	4800W	4800W
48V 5000Ah (5000Ah x 2) = 10000Ah	5000W	5000W	5000W	5000W
48V 5200Ah (5200Ah x 2) = 10400Ah	5200W	5200W	5200W	5200W
48V 5400Ah (5400Ah x 2) = 10800Ah	5400W	5400W	5400W	5400W
48V 5600Ah (5600Ah x 2) = 11200Ah	5600W	5600W	5600W	5600W
48V 5800Ah (5800Ah x 2) = 11600Ah	5800W	5800W	5800W	5800W
48V 6000Ah (6000Ah x 2) = 12000Ah	6000W	6000W	6000W	6000W
48V 6200Ah (6200Ah x 2) = 12400Ah	6200W	6200W	6200W	6200W
48V 6400Ah (6400Ah x 2) = 12800Ah	6400W	6400W	6400W	6400W
48V 6600Ah (6600Ah x 2) = 13200Ah	6600W	6600W	6600W	6600W
48V 6800Ah (6800Ah x 2) = 13600Ah	6800W	6800W	6800W	6800W
48V 7000Ah (7000Ah x 2) = 14000Ah	7000W	7000W	7000W	7000W
48V 7200Ah (7200Ah x 2) = 14400Ah	7200W	7200W	7200W	7200W
48V 7400Ah (7400Ah x 2) = 14800Ah	7400W	7400W	7400W	7400W
48V 7600Ah (7600Ah x 2) = 15200Ah	7600W	7600W	7600W	7600W
48V 7800Ah (7800Ah x 2) = 15600Ah	7800W	7800W	7800W	7800W
48V 8000Ah (8000Ah x 2) = 16000Ah	8000W	8000W	8000W	8000W
48V 8200Ah (8200Ah x 2) = 16400Ah	8200W	8200W	8200W	8200W
48V 8400Ah (8400Ah x 2) = 16800Ah	8400W	8400W	8400W	8400W
48V 8600Ah (8600Ah x 2) = 17200Ah	8600W	8600W	8600W	8600W
48V 8800Ah (8800Ah x 2) = 17600Ah	8800W	8800W	8800W	8800W
48V 9000Ah (9000Ah x 2) = 18000Ah	9000W	9000W	9000W	9000W
48V 9200Ah (9200Ah x 2) = 18400Ah	9200W	9200W	9200W	9200W
48V 9400Ah (9400Ah x 2) = 18800Ah	9400W	9400W	9400W	9400W
48V 9600Ah (9600Ah x 2) = 19200Ah	9600W	9600W	9600W	9600W
48V 9800Ah (9800Ah x 2) = 19600Ah	9800W	9800W	9800W	9800W
48V 10000Ah (10000Ah x 2) = 20000Ah	10000W	10000W	10000W	10000W
48V 10200Ah (10200Ah x 2) = 20400Ah	10200W	10200W	10200W	10200W
48V 10400Ah (10400Ah x 2) = 20800Ah	10400W	10400W	10400W	10400W
48V 10600Ah (10600Ah x 2) = 21200Ah	10600W	10600W	10600W	10600W
48V 10800Ah (10800Ah x 2) = 21600Ah	10800W	10800W	10800W	10800W
48V 11000Ah (11000Ah x 2) = 22000Ah	11000W	11000W	11000W	11000W
48V 11200Ah (11200Ah x 2) = 22400Ah	11200W	11200W	11200W	11200W
48V 11400Ah (11400Ah x 2) = 22800Ah	11400W	11400W	11400W	11400W
48V 11600Ah (11600Ah x 2) = 23200Ah	11600W	11600W	11600W	11600W
48V 11800Ah (11800Ah x 2) = 23600Ah	11800W	11800W	11800W	11800W
48V 12000Ah (12000Ah x 2) = 24000Ah	12000W	12000W	12000W	12000W
48V 12200Ah (12200Ah x 2) = 24400Ah	12200W	12200W	12200W	12200W
48V 12400Ah (12400Ah x 2) = 24800Ah	12400W	12400W	12400W	12400W
48V 12600Ah (12600Ah x 2) = 25200Ah	12600W	12600W	12600W	12600W
48V 12800Ah (12800Ah x 2) = 25600Ah	12800W	12800W	12800W	12800W
48V 13000Ah (13000Ah x 2) = 26000Ah	13000W	13000W	13000W	13000W
48V 13200Ah (13200Ah x 2) = 26400Ah	13200W	13200W	13200W	13200W
48V 13400Ah (13400Ah x 2) = 26800Ah	13400W	13400W	13400W	13400W
48V 13600Ah (13600Ah x 2) = 27200Ah	13600W	13600W	13600W	13600W
48V 13800Ah (13800Ah x 2) = 27600Ah	13800W	13800W	13800W	13800W
48V 14000Ah (14000Ah x 2) = 28000Ah	14000W	14000W	14000W	14000W
48V 14200Ah (14200Ah x 2) = 28400Ah	14200W	14200W	14200W	14200W
48V 14400Ah (14400Ah x 2) = 28800Ah	14400W	14400W	14400W	14400W
48V 14600Ah (14600Ah x 2) = 29200Ah	14600W	14600W	14600W	14600W
48V 14800Ah (14800Ah x 2) = 29600Ah	14800W	14800W	14800W	14800W
48V 15000Ah (15000Ah x 2) = 30000Ah	15000W	15000W	15000W	15000W
48V 15200Ah (15200Ah x 2) = 30400Ah	15200W	15200W	15200W	15200W
48V 15400Ah (15400Ah x 2) = 30800Ah	15400W	15400W	15400W	15400W
48V 15600Ah (15600Ah x 2) = 31200Ah	15600W	15600W	15600W	15600W
48V 15800Ah (15800Ah x 2) = 31600Ah	15800W	15800W	15800W	15800W
48V 16000Ah (16000Ah x 2) = 32000Ah	16000W	16000W	16000W	16000W
48V 16200Ah (16200Ah x 2) = 32400Ah	16200W	16200W	16200W	16200W
48V 16400Ah (16400Ah x 2) = 32800Ah	16400W	16400W	16400W	16400W
48V 16600Ah (16600Ah x 2) = 33200Ah	16600W	16600W	16600W	16600W
48V 16800Ah (16800Ah x 2) = 33600Ah	16800W	16800W	16800W	16800W
48V 17000Ah (17000Ah x 2) = 34000Ah	17000W	17000W	17000W	17000W
48V 17200Ah (17200Ah x 2) = 34400Ah	17200W	17200W	17200W	17200W
48V 17400Ah (17400Ah x 2) = 34800Ah	17400W	17400W	17400W	17400W
48V 17600Ah (17600Ah x 2) = 35200Ah	17600W	17600W	17600W	17600W
48V 17800Ah (17800Ah x 2) = 35600Ah	17800W	17800W	17800W	17800W
48V 18000Ah (18000Ah x 2) = 36000Ah	18000W	18000W	18000W	18000W
48V 18200Ah (18200Ah x 2) = 36400Ah	18200W	18200W	18200W	18200W
48V 18400Ah (18400Ah x 2) = 36800Ah	18400W	18400W	18400W	18400W
48V 18600Ah (18600Ah x 2) = 37200Ah	18600W	18600W	18600W	18600W
48V 18800Ah (18800Ah x 2) = 37600Ah	18800W	18800W	18800W	18800W
48V 19000Ah (19000Ah x 2) = 38000Ah	19000W	19000W	19000W	19000W
48V 19200Ah (19200Ah x 2) = 38400Ah	19200W	19200W	19200W	19200W
48V 19400Ah (19400Ah x 2) = 38800Ah	19400W	19400W	19400W	19400W
48V 19600Ah (19600Ah x 2) = 39200Ah	19600W	19600W	19600W	19600W
48V 19800Ah (19800Ah x 2) = 39600Ah	19800W	19800W	19800W	19800W
48V 20000Ah (20000Ah x 2) = 40000Ah	20000W	20000W	20000W	20000W
48V 20200Ah (20200Ah x 2) = 40400Ah	20200W	20200W	20200W	20200W
48V 20400Ah (20400Ah x 2) = 40800Ah	20400W	20400W	20400W	20400W
48V 20600Ah (20600Ah x 2) = 41200Ah	20600W	20600W	20600W	20600W
48V 20800Ah (20800Ah x 2) = 41600Ah	20800W	20800W	20800W	20800W
48V 21000Ah (21000Ah x 2) = 42000Ah	21000W	21000W	21000W	21000W
48V 21200Ah (21200Ah x 2) = 42400Ah	21200W	21200W	21200W	21200W
48V 21400Ah (21400Ah x 2) = 42800Ah	21400W	21400W	21400W	21400W
48V 21600Ah (21600Ah x 2) = 43200Ah	21600W	21600W	21600W	21600W
48V 21800Ah (21800Ah x 2) = 43600Ah	21800W	21800W	21800W	21800W
48V 22000Ah (22000Ah x 2) = 44000Ah	22000W	22000W	22000W	22000W
48V 22200Ah (22200Ah x 2) = 44400Ah	22200W	22200W	22200W	22200W
48V 22400Ah (22400Ah x 2) = 44800Ah	22400W	22400W	22400W	22400W
48V 22600Ah (22600Ah x 2) = 45200Ah	22600W	22600W	22600W	22600W
48V 22800Ah (22800Ah x 2) = 45600Ah	22800W	22800W	22800W	22800W
48V 23000Ah (23000Ah x 2) = 46000Ah	23000W	23000W	23000W	23000W
48V 23200Ah (23200Ah x 2) = 46400Ah	23200W	23200W	23200W	23200W
48V 23400Ah (23400Ah x 2) = 46800Ah	23400W	23400W	23400W	23400W
48V 23600Ah (23600Ah x 2) = 47200Ah	23600W	23600W	23600W	23600W
48V 23800Ah (23800Ah x 2) = 47600Ah	23800W	23800W	23800W	23800W
48V 24000Ah (24000Ah x 2) = 48000Ah	24000W	24000W	24000W	24000W
48V 24200Ah (24200Ah x 2) = 48400Ah	24200W	24200W	24200W	24200W
48V 24400Ah (24400Ah x 2) = 48800Ah	24400W	24400W	24400W	24400W
48V 24600Ah (24600Ah x 2) = 49200Ah	24600W	24600W	24600W	24600W
48V 24800Ah (24800Ah x 2) = 49600Ah	24800W	24800W	24800W	24800W
48V 25000Ah (25000Ah x 2) = 50000Ah	25000W	25000W	25000W	25000W
48V 25200Ah (25200Ah x 2) = 50400Ah	25200W	25200W	25200W	25200W
48V 25400Ah (25400Ah x 2) = 50800Ah	25400W	25400W	25400W	25400W
48V 25600Ah (25600Ah x 2) = 51200Ah	25600W	25600W	25600W	25600W
48V 25800Ah (25800Ah x 2) = 51600Ah	25800W	25800W	25800W	25800W
48V 26000Ah (26000Ah x 2) = 52000Ah	26000W	26000W	26000W	26000W
48V 26200Ah (26200Ah x 2) = 52400Ah	26200W	26200W	26200W	26200W
48V 26400Ah (26400Ah x 2) = 52800Ah	26400W	26400W	26400W	26400W
48V 26600Ah (26600Ah x 2) = 53200Ah	26600W	26600W	26600W	26600W
48V 26800Ah (26800Ah x 2) = 53600Ah	26800W	26800W	26800W	26800W
48V 27000Ah (27000Ah x 2) = 54000Ah	27000W	27000W	27000W	27000W
48V 27200Ah (27200Ah x 2) = 54400Ah	27200W	27200W	27200W	27200W
48V 27400Ah (27400Ah x 2) = 54800Ah	27400W	27400W	27400W	27400W
48V 27600Ah (27600Ah x 2) = 55200Ah	27600W	27600W	27600W	27600W
48V 27800Ah (27800Ah x 2) = 55600Ah	27800W	27800W	27800W	27800W
48V 28000Ah (28000Ah x 2) = 56000Ah	28000W	28000W	28000W	28000W
48V 28200Ah (28200Ah x 2) = 56400Ah	28200W	28200W	28200W	28200W
48V 28400Ah (28400Ah x 2) = 56800Ah	28400W	28400W	28400W	28400W
48V 28600Ah (28600Ah x 2) = 57200Ah	28600W	28600W	28600W	28600W
48V 28800Ah (28800Ah x 2) = 57600Ah	28800W	28800W	28800W	28800W
48V 29000Ah (29000Ah x 2) = 58000Ah	29000W	29000W	29000W	29000W
48V 29200Ah (29200Ah x 2) = 58400Ah	29200W	29200W	29200W	29200W
48V 29400Ah (29400Ah x 2) = 58800Ah	29400W	29400W	29400W	29400W
48V 29600Ah (29600Ah x 2) = 59200Ah	29600W	29600W	29600W	29600

Specifications

POWERHUB BATTERY CONFIGURATIONS

BATTERY WIRING TABLE

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POWERHUB BATTERY CONFIGURATIONS

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POWERHUB BATTERY CONFIGURATIONS

BATTERY WIRING TABLE

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Premises Only Liability Declarations Page

Agent:

Professional Property & Casualty, LLC
2050 Winter Springs Blvd
Oviedo, FL 32765

Agent Code: 418438

For Policy Service, Call: (407) 366-7746

Total Policy Premium:

\$210

Policy Number:

FLU150436

Plan Type:

UMB

Policy Period: From: 10/13/2022 To: 10/13/2023

Effective Date of Transaction: 10/13/2022

Transaction Type: New Business

Named Insured:

ROBERT LAUB
3401 SW 26TH PL
OCALA, FL 34474

Premises Location(s):

3401 SW 26TH PL, Ocala, FL 34474-3324

Coverage Limit: \$ 1,000,000

Coverages	Limit	Premium
Liability Base Premium	\$ 1,000,000	\$200.00
Surcharges & Discounts		Premium
Desired Coverage Limit		\$0.00
Increased Underlying Property Liability		\$0.00
Territory Factor (UIM)		\$0.00
Premises Only Credit		(\$59.00)
Swimming Pool/Spas		\$40.00
Minimum Limit Premium Adjustment		\$0.00
Managing General Agent Fee		\$25.00
Florida Insurance Guaranty Association Fee		\$3.62
TOTAL POLICY PREMIUM:		\$210.00

All Insureds:

Laub, Robert

Policy Forms:

Amendment of Policy Provisions - Florida

ASI PUP FL SP 10 20

Premises Liability

ASI PUP 005 09 99

Auto Liability Exclusion - Florida

ASI PUP FL ALE 10 20

Public Or Livery Conveyance Exclusion - Florida

ASI PUP FL PCE 10 20

Personal Umbrella Liability Policy

DL 98 01 06 98

Additional Interest:

David L Pratt

President

Jana Bell

Agent

Inspections - **FINAL BUILDING

Add Inspections Void Inspections Print Custom Screens Batch Scheduling Add to Timesheet



Permit #: **BLD22-1901**

InspectionType: **FINAL BUILDING

Inspector: ROBERT BOULETTE

Scheduled Date: 12/05/2022 Time: 31

Completed Date: 12/05/2022 Time:

Results: APPROVED Duration: 5

Remarks:

Inspection is LOCKED

OK Cancel

Title	FOR SIGNATURES - Agreement for Interconnection of.....
File name	Contract # 230102... SW 26th PI _.pdf
Document ID	fd3e2b6446290ee219ab6b5142d39c04cb477b0a
Audit trail date format	MM / DD / YYYY
Status	● Signed

Document History



SENT

12 / 13 / 2022

10:51:54 UTC-5

Sent for signature to William E. Sexton (wsexton@ocalafl.org), Ken Whitehead (kwhitehead@ocalafl.org) and Florida Municipal Power Agency (chris.gowder@fmpa.com) from biverson@ocalafl.org
IP: 216.255.240.104



VIEWED

12 / 15 / 2022

14:28:48 UTC-5

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IP: 216.255.240.104



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12 / 15 / 2022

14:30:04 UTC-5

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12 / 16 / 2022

15:04:51 UTC-5

Viewed by Ken Whitehead (kwhitehead@ocalafl.org)
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12 / 16 / 2022

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Title	FOR SIGNATURES - Agreement for Interconnection of.....
File name	Contract # 230102... SW 26th PI _.pdf
Document ID	fd3e2b6446290ee219ab6b5142d39c04cb477b0a
Audit trail date format	MM / DD / YYYY
Status	● Signed

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(chris.gowder@fmpa.com)
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15:13:00 UTC-5

Signed by Florida Municipal Power Agency
(chris.gowder@fmpa.com)
IP: 97.71.199.131



12 / 16 / 2022
15:13:00 UTC-5

The document has been completed.