

Special Meeting Agenda
Tolland Non-Profit Housing Corporation
Remote - Zoom
April 25, 2023 at 7:00 p.m

1. Call to Order
2. Other Business
 - 2.1. 57 Rolling Meadow Drive – Solar Permit.
3. Adjournment

Join Zoom Meeting

<https://us06web.zoom.us/j/86561084494?pwd=RllOdVR5N0k0bzVWVWV5TzlrMU5RZz09>

One tap mobile: +13092053325,,86561084494#,,, *5687#

Or call: 1 646 876 9923 and input:

Meeting ID: 865 6108 4494

Passcode: 5687



Town of Tolland, CT

21 Tolland Green, Tolland CT 06084
860-871-3601
www.tolland.org

Building Permit

03/03/2023

Draft

PROJECT LOCATION INFORMATION			
Street No. & Street Name: 57 ROLLING MEADOW DRIVE		Parcel ID: 3 D 3 H-193	
Detailed Description of Project: Installation of 16 roof mounted solar panels. 5 KW			
Work Includes:	Electrical	CRS#	HVAC
			Plumbing
			Fuel Gas/LP
Residential Projects – 2 complete sets of detailed construction plans, plot plans, and supporting documentation.		Solar (Residential)	
Commercial Projects - 3 complete sets of detailed construction plans, plot plans, and supporting documentation.			
PROPERTY OWNER'S INFORMATION AS IT APPEARS ON THE LAND RECORDS			
Name: ROPER JOANNE M			
Business Name (if applicable):			
Mailing Address: 57 ROLLING MEADOW DRIVE TOLLAND, CT 06084			
Phone:		Cell:	Email:
APPLICANT/CONTRACTOR INFORMATION			
Name: Rachael Jackson			
Business Name (if applicable): Trinity Solar			
SUB-CONTRACTOR INFORMATION (OPTIONAL)			
Name:	Phone:	Lic. No.:	Exp. Date:
Name:	Phone:	Lic. No.:	Exp. Date:
Name:	Phone:	Lic. No.:	Exp. Date:
AFFIDAVIT			
I am aware that this is only an Application for the work described, and that I am not authorized to proceed with the project until such time as a Permit has been issued by the Building Official.			
I hereby certify that the proposed work shall conform to the Connecticut State Building Code and all other codes as adopted by the State of Connecticut, the municipal ordinances, and the municipal zoning regulations. I further attest that I am authorized to make application for a Permit for such work as described above.			
Signature: Rachael Jackson		Print Name: Rachael Jackson	Date: 03/03/2023
VALUE OF PROJECT: Value shall include all labor and material costs.		PERMIT FEES (Office Use Only)	
IS THIS A BLANKET PERMIT? No		Building Fee: \$ 132.92	
TOTAL VALUE OF PROJECT: \$ 8,000.00		Working without a Permit Fee: 0.00	
Property Type: Residential	Fire Marshal Fee: 0.00 (Amount added to Building Fee)	State Ed. Fee: 2.08	
An Application for a Permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such Application has been pursued in good faith or a Permit has been issued. Application and Permit fees for abandoned projects are nonrefundable per the municipal ordinances.		Zoning Compliance Fee: 0.00	
Demolition and Fire Protection work shall require a separate Application and Permit.		Certificate Fee: 0.00	
Fees Paid: 135.00		TOTAL FEES: \$ 135.00	
		Date Paid:	Cash
		Receipt No.:	Check #



Town of Tolland, CT

21 Tolland Green, Tolland CT 06084
860-871-3601
www.tolland.org

Electrical Permit

03/03/2023

Draft

PROJECT LOCATION INFORMATION			
Street No. & Street Name: 57 ROLLING MEADOW DRIVE		Parcel ID: 3 D 3 H~193	
Detailed Description of Project: Installation of 16 roof mounted solar panels. 5 KW			
Work Includes:	Electrical	CRS#	HVAC
			Plumbing
			Fuel Gas/LP
Residential Projects - 2 complete sets of detailed construction plans, plot plans, and supporting documentation.		Solar (Residential)	
Commercial Projects - 3 complete sets of detailed construction plans, plot plans, and supporting documentation.			
PROPERTY OWNER'S INFORMATION AS IT APPEARS ON THE LAND RECORDS			
Name: ROPER JOANNE M			
Business Name (if applicable):			
Mailing Address: 57 ROLLING MEADOW DRIVE TOLLAND, CT 06084			
Phone:	Cell:	Email:	
APPLICANT/CONTRACTOR INFORMATION			
Name: Rachael Jackson			
Business Name (if applicable): Trinity Solar			
Name:	Phone:	Lic. No. :	Exp. Date:
Name:	Phone:	Lic. No. :	Exp. Date:
Name:	Phone:	Lic. No. :	Exp. Date:
AFFIDAVIT			
I am aware that this is only an Application for the work described, and that I am not authorized to proceed with the project until such time as a Permit has been issued by the Building Official.			
I hereby certify that the proposed work shall conform to the Connecticut State Building Code and all other codes as adopted by the State of Connecticut, the municipal ordinances, and the municipal zoning regulations. I further attest that I am authorized to make application for a Permit for such work as described above.			
Signature: <i>Rachael Jackson</i>	Print Name: Rachael Jackson		Date: 03/03/2023
VALUE OF PROJECT: Value shall include all labor and material costs. IS THIS PERMIT IN CONJUNCTION WITH A BLANKET PERMIT? No TOTAL VALUE OF PROJECT: \$ 18,000.00		PERMIT FEES (Office Use Only) Building Fee: \$ 280.32 Working without a Permit Fee: 0.00 State Ed. Fee: 4.68 Zoning Compliance Fee: 0.00 Certificate Fee: 0.00 TOTAL FEES: \$ 285.00	
Property Type: Residential			
Fire Marshal Fee: 0.00 (Amount added to Building Fee)			
An Application for a Permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such Application has been pursued in good faith or a Permit has been issued. Application and Permit fees for abandoned projects are nonrefundable per the municipal ordinances.			
<i>Demolition and Fire Protection work shall require a separate Application and Permit.</i>			
Fees Paid: 285.00		Date Paid:	Cash
		Receipt No.:	Check #

GENERAL NOTES

1. All electrical materials shall be new and listed by recognized electrical testing laboratory. Custom made equipment shall have complete test data submitted by the manufacturer attesting to its safety.
2. Outdoor equipment shall be NEMA 3R rated or equivalent.
3. All metallic equipment shall be grounded.
4. Contractor shall obtain electrical permits prior to installation and shall coordinate all inspections, testing commissioning and acceptance with the client.
5. The electrical contractor shall verify the exact locations of service points and service sizes with the serving utility company and comply with all utility companies requirements.
6. Drawings are diagrammatic only, routing of raceways shall be option of the contractor unless otherwise noted and shall be coordinated with other trades.
7. If the roof material or the roof structure not adequate for PV installation, call the engineer of record prior to installation. The contractor is responsible to verify that the roof is capable of withstanding the extra weight.
8. If the distances for cable runs are different than shown, the contractor shall notify the electrical engineer to validate the wire size. Final drawings will be re-lined and updated as appropriate.
9. Whenever a discrepancy in quality of equipment arises on the drawing or specifications, the contractor shall be responsible for providing and installing all materials and services required by the strictest conditions noted on the drawings or in the specifications to ensure complete compliance and longevity of the operable system required by the engineer of record.

PHOTOVOLTAIC NOTES:

1. Rooftop mounted photovoltaic panels and modules shall be tested, listed and identified by recognized testing laboratory
2. Solar system shall not cover any plumbing or mechanical vents
3. Modules and support structures shall be grounded unless racking has integrated ground.
4. Removal of an interactive inverter or other equipment shall not disconnect the bonding connection between the grounding electrode conductor and the photovoltaic source and/or output circuit grounded conductors.
5. All PV modules and associated equipment and wiring shall be protected from physical damage.
6. Live parts of PV source circuits and PV output circuits over 150v to ground shall not be accessible to other than qualified persons while energized.
7. Inverter is equipped with integrated DC disconnect, thus providing ground fault protection
8. All conductors shall be copper and 75 deg rated
9. A single conductor shall be permitted to be used to perform the multiple functions of dc grounding, AC grounding and bonding between AC and DC systems.
10. Non-current carrying metal parts of equipment shall be effectively bonded together. Bond both ends of raceways.

SHEET INDEX

SITE MAP & PV LAYOUT	PV 1.0
PROPERTY PLAN	PV 2.0
ELECTRICAL 1-LINE DIAGRAM	PV 3.0
SYSTEM LABELING DETAIL	D 4.0
INVERTER DATA SHEET	D 5.0
OPTIMIZER DATA SHEET	D 6.0
MODULE DATA SHEET	D 7.0
RACKING DATA SHEET	D 8.0
ATTACHMENT DATA SHEET	D 9.0
AC DISCONNECT DATA SHEET	D 10.0

GOVERNING CODES

THE INSTALLATION OF SOLAR ARRAYS AND PHOTOVOLTAIC POWER SYSTEMS SHALL COMPLY WITH THE FOLLOWING CODES:

- 2022 Connecticut State Building Code
 - 2020 National Electrical Code
 - 2021 International Residential Code
 - 2021 International Building Code
 - 2021 Mechanical Code
 - 2021 International Fire Code
 - 2021 International Energy Conservation Code
- AS ADOPTED BY THE STATE OF CONNECTICUT
ALL OTHER ORDINANCE ADOPTED BY THE LOCAL GOVERNING AGENCIES

SYSTEM RATING

DC 6.48KW STC
AC 5.00KW STC

EQUIPMENT SUMMARY

16 HANWHA 405 WATT MODULES WITH S440 POWER OPTIMIZERS, SOLAREEDGE HD WAVE 5.0 KW INVERTER

ELECTRICAL INFORMATION

EXISTING
MAIN SERVICE PANEL BUS SIZE: 100A
MAIN SERVICE BREAKER SIZE: 100A
MOUNTING SYSTEM: ECOFASTEN

BUILDING INFORMATION

CONSTRUCTION TYPE: V-B
OCCUPANCY: R3
ROOF: COMP. SHINGLE

CONTRACTOR

Trinity Solar
Address: 2211 Allenwood Road Wall
Township, NJ 07719
Phone number: 866-865-7300
E-mail: gosolar@trinity-solar.com



Owner: _____ Joanne Roper
Property Address: _____ 57 Rolling Meadow Dr, Tolland, CT 06084
Property Type: _____ Single Family Residence
Drawn by: _____ New@berengineeringco
Date: _____ 03/03/2023

VICINITY MAP (SCALE: NTS)



SATELLITE VIEW (SCALE: NTS)





SCALE: 1/8" = 1'-0"

SOLAR MODULES
 16 - Hanwha 405 Watt
 Model #Q.PEAK DUO BLK ML-G10+ 405

INVERTER
 INVERTER TYPE: Central;
 Solar Edge Single Phase HD
 Wave 5.0 kW Inverter
 Model #SE5000H-US000BN14(240V)

Solar PV Array 1
 16 - Hanwha 405W Modules
 16 - S440 Power Optimizer
 Pitch: 27 Deg
 Orientation: 272 Deg

INDEX

- MM.....(E) Main Meter Total Roof Area: 1183
- MSP (E) 100A Main Service Panel Total Module Area: 352
- IN.....(N) Inverter 129.75% Coverage
- AC.....(N) 60A AC Disconnect
- PM... (N) Production Meter Socket
- JB.....(N) Junction Box
-(N) Optimizer
- Solar Module
- Conduit
- Fire Setback Line



CONTRACTOR
 Trinity Solar
 Address: 2211 Allenwood Road Wall
 Township, NJ 07719
 Phone number: 888-865-7300
 E-mail: gosolar@trinity-solar.com

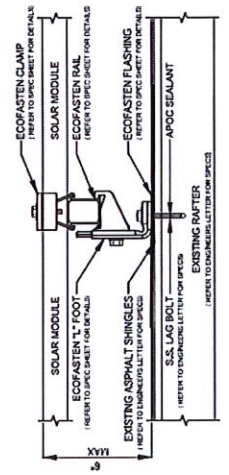
SITE MAP & PV LAYOUT

ENGINEERING
 Drawn by: New@engineering.io
 DATE: 09/03/2023

Project Name: Joanne Roper
 Property Address: 57 Rolling Meadow Dr, Tolland, CT 06094

Project: PV SYSTEM
 Scale: AS INDICATED

PV 1.0



NOTES: - REFER TO MODULE SPECS FOR MODULE DIMENSIONS
 - SPECIFIED MODULES MAY BE POSITIONED IN ANY ORDER
 - NEW PV SOLAR MODULE TYPICAL (REFER TO EQUIPMENT SCHEDULE FOR SPECS AND QUANTITIES)
 - ECOFASTEN L FOOT TYPICAL (REFER TO EQUIPMENT SCHEDULE FOR SPECS AND QUANTITIES)
 - ECOFASTEN FLASHING TYPICAL (REFER TO EQUIPMENT SCHEDULE FOR SPECS AND QUANTITIES)
 - NEW END CLIP, TYPICAL (REFER TO EQUIPMENT SPECIFICATION SHEET FOR DETAILS)
 - NEW MID CLIP, TYPICAL (REFER TO EQUIPMENT SPECIFICATION SHEET FOR DETAILS)

ATTACHMENT & CLIP DETAIL
 SCALE: NOT TO SCALE

NOTE: PV DISCONNECT TO BE LOCATED WITHIN 10 FEET OF UTILITY METER
 NOTE: PV ARRAY(S) SHALL NOT EXCEED EXISTING BUILDING HEIGHT

LEGEND

- MSP..... Main Service Panel
- IN Inverter
- AC.....AC Disconnect
- MM..... Main Meter
- PM..... Production Meter Socket

CONTRACTOR

Trinity Solar
Address: 7 McKee Place,
Cheshire CT 06410
Phone number: 866-865-7300
E-mail: gossolar@trinity-solar.com



PROPERTY PLAN

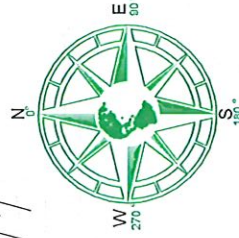
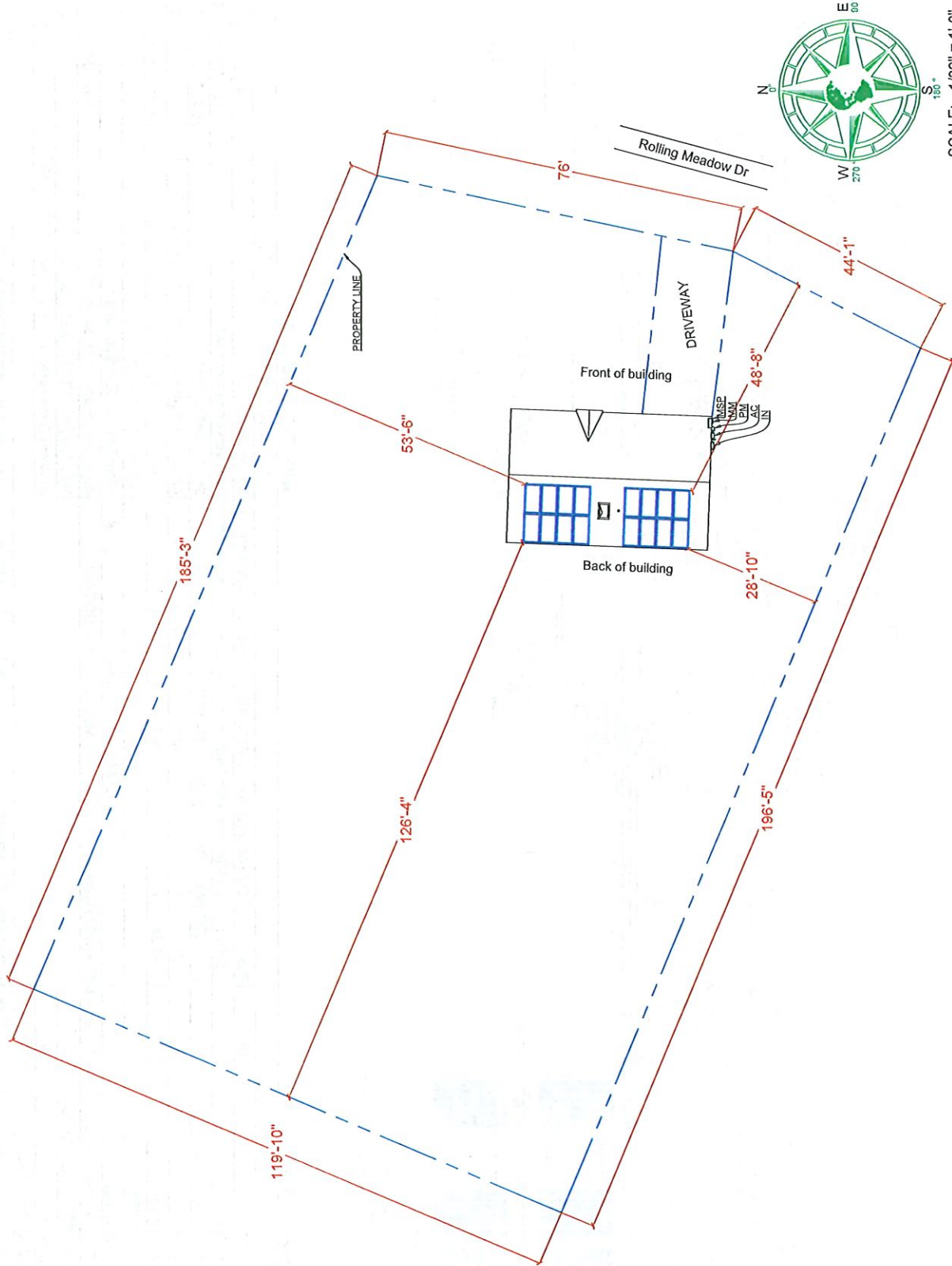
ENGINEERING

Drawn by: New@engineeringinclo
DATE: 03/03/2023

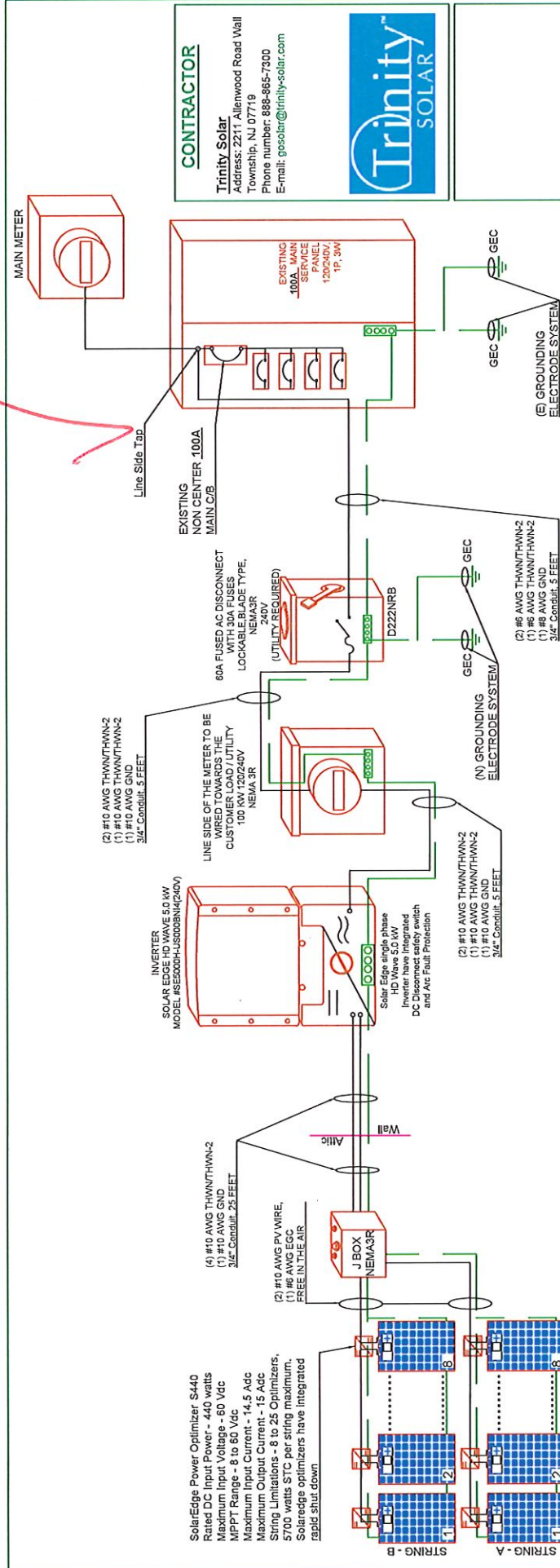
Project Name: Joanne Roper
Property Address: 67 Rolling Meadow Dr,
Tolland, CT 06084

Project: PV SYSTEM
Scale: AS INDICATED

PV 2.0



SCALE: 1/32" = 1'-0"



CONTRACTOR
 Trinity Solar
 Address: 2211, Allenwood Road Wall
 Township, NJ 07719
 Phone number: 888-865-7300
 E-mail: gossolar@trinity-solar.com



ELECTRICAL 1-LINE DIAGRAM

ENGINEERING
 Drawn by: New@engineeringinc.com
 DATE: 03/03/2023

Project Name: Joanne Roper
 Property Address: 57 Rolling Meadow Dr, Tolland, CT 06084
 Project: PV SYSTEM
 Scale: AS INDICATED

PV 3.0

WIRE SIZE CALCULATION

PV ARRAY		FROM JUNCTION BOX TO INVERTER	
Number Modules	16	Type	Q-PEAK DUO BLK ML-G10+ 405
Number Inverters	1		Hanwha 405 Watt
Total DC Wattage (Watts)	Solar Edge 5kW Inverter with Optimizers SES5000H-US000BN14 (240V)		
Array Currents	I-SC	11.17 A	10.83 A
Module Voltage	V-OC	45.34 V	37.39 V
SYSTEM POWER			
Number Of Strings	2	Max Number of Modules Per String	8
Max DC Wattage In Strings	8 * 405 = 3240 < 5700 (Watts) Max AC Voltage 120/240V		
FROM INVERTER TO TAP BOX			
Total Current (A)	21		
Total AC Wattage (Watts)	5000		
Consider Continuous (A)	21 * 1.25 = 26.25	Temperature Adjustment	26.25 / 0.91 = 28.85 A
		Conductor Size From NEC Table 310.16	10 AWG

PV ARRAY RATING

16 HANWHA 405W MODULES
 16 S440 POWER OPTIMIZERS
 CONDUIT TYPE SHALL BE CHOSEN BY THE INSTALLATION CONTRACTOR TO MEET OR EXCEED NEC AND LOCAL AHJ/D REQUIREMENTS

LABEL 1

CAUTION
AUTHORIZED SOLAR
PERSONNEL ONLY!

LABEL 2

CAUTION
SOLAR DC CURRENT PRESENT
DURING DAYLIGHT HOURS
(STICKER TO BE LOCATED ON
CONDUIT WITH DC CURRENT
EVERY 4' HORIZONTALLY OR
10' VERTICALLY AND 1' FROM
EACH SIDE OF A BEND)

LABEL 3

WARNING!
ELECTRIC SHOCK HAZARD.
IF GROUND FAULT IS INDICATED,
CONDUCTORS MAY BE
UNGROUNDING AND ENERGIZED.

LABEL 4

DC DISCONNECT
DC PHOTOVOLTAIC POWER SOURCE
RATED MAX POWER POINT CURRENT: 10.83 AMPS
RATED MAX POWER POINT VOLTAGE: 400 VOLTS
MAXIMUM SYSTEM VOLTAGE: 480 VOLTS
SHORT CIRCUIT CURRENT: 12.88 AMPS

LABEL 5

WARNING!
ELECTRIC SHOCK HAZARD.
DO NOT TOUCH THE TERMINALS.
TERMINALS ON BOTH THE LINE AND
LOAD SIDES MAY BE ENERGIZED IN
THE OPEN POSITION.

LABEL 6

PV SUB-PANEL ONLY
(TO BE LOCATED ON
SUB-PANEL ONLY
WHEN SUB-PANEL IS
DEDICATED FOR PV ONLY)

LABEL 7

AC DISCONNECT
AC PHOTOVOLTAIC POWER SOURCE
RATED AC OUTPUT CURRENT: 26.25 A MAX
NOMINAL AC OPERATING VOLTAGE: 240 Vac

LABEL 8

**THIS PANEL FED BY
MULTIPLE SOURCES
(UTILITY & SOLAR)**

LABEL 9

SOLAR
(STICKER LOCATED
INSIDE PANEL
NEXT TO SOLAR BREAKER)

LABEL 10

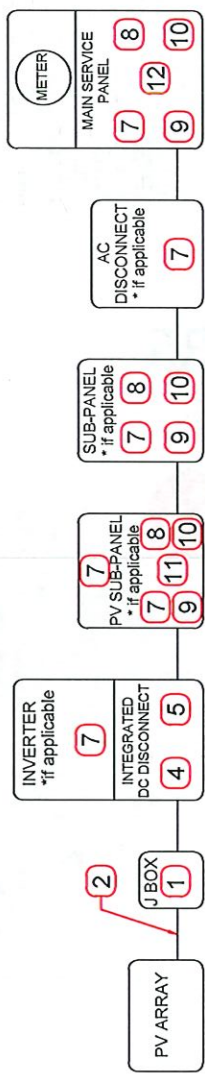
WARNING!
INVERTER OUTPUT CONNECTION. DO NOT
RELOCATE THIS OVERCURRENT DEVICE
(STICKER LOCATED
INSIDE PANEL
BELOW PV BREAKER)

LABEL 11

**PV LOAD CENTER SIZED FOR PV
BREAKERS ONLY OR RENDERED UNABLE
TO ACCEPT ANY ADDITIONAL LOADS.**

DIRECTORY

Permanent directory or plaque providing location of service disconnecting means and photovoltaic system disconnecting means, if not located at the same location. (Plaques shall be metal or plastic, with engraved or machine printed letters, or electro-photo plating, in a contrasting color to the plaque. Plaques shall be permanently attached to the equipment or in the required location using an approved method that is suitable to withstand the environment to which it is exposed. Plaques and signage shall meet legibility, defacement, exposure and adhesion requirements of Underwriters Laboratories marking and labeling system 969(UL969).



MARKINGS, LABELS AND WIRING SIGNS

- A. Purpose: Provide emergency responders with appropriate warning and guidance with respect to isolating solar electric system. This can facilitate identifying energized electrical lines that connect 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 main be placed within the main service disconnect. The marking shall be placed 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 level is operated
- c. Markings: Verbiage, Format and Type of Material.
 - a. Verbiage: CAUTION: SOLAR ELECTRIC SYSTEM CONNECTED
 - b. Format: White lettering on a red background. Minimum 3/8 inches letter height. All letters shall be capitalized. Arial or similar font, non bold.
 - c. Material: Reflective, weather resistant material suitable for the environment (use UL - 969 as standard for weather rating). Durable adhesive materials meet this requirement.
- C. Marking Requirements on DC conduit, raceways, enclosures, cable assemblies, DC combiners and junction boxes:
 - 1. Markings: 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, V-3b, c" of this requirement.
 - c. Inverters are not required to have caution markings
- 2. The materials used for marking shall be reflective weather resistant material suitable for the environment. Minimum 3/8" letter height; all upper case letters Arial or similar font; Red background with white lettering.
- 3. Marking shall contain the words: **WARNING - PHOTOVOLTAIC POWER SOURCE**.
- 4. Marking shall be placed adjacent to the main service disconnect in a location clearly visible from the location where the disconnect is operated

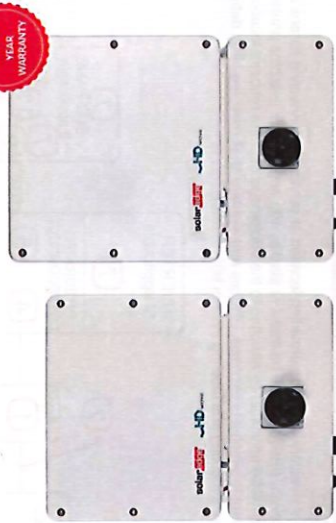
CONTRACTOR
 Trinity Solar
 Address: 2211 Allenwood Road Wall
 Township, NJ 07719
 Phone number: 863-865-7300
 E-mail: gossolar@trinity-solar.com

SYSTEM LABELING DETAIL

ENGINEERING
 Drawn by: New@engineerinc.io
 DATE: 03/03/2023
 Project Name: Joanne Roper
 Project Address: 67 Rolling Meadow Dr,
 Tolland, CT 06084
 Project: PV SYSTEM
 Scale: AS INDICATED
PV 4.0

Single Phase Inverter with HD-Wave Technology

for North America
 SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US /
 SE7600H-US / SE10000H-US / SE11400H-US



Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers
- Record-breaking 99% weighted efficiency
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Fixed voltage inverter for longer strings
- Integrated arc fault protection and rapid shutdown for NEC 2014, NEC 2017 and NEC 2020 per article 690.11 and 690.12
- UL1741 SA certified, for CPUC Rule 21 grid compliance
- Small, lightweight, and easy to install both outdoors or indoors
- Built-in module-level monitoring
- Optional: Faster installations with built-in consumption metering (1% accuracy) and production revenue grade metering (0.5% accuracy, ANSI C12.20)

solaredge.com



Single Phase Inverter with HD-Wave Technology

for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US /
 SE7600H-US / SE10000H-US / SE11400H-US

MODEL NUMBER WITH PART NUMBER	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US
OUTPUT	3000	3800	5000	6000	7600	10000	11400
Maximum AC Power Output	3000 @ 240V 3300 @ 208V	3800 @ 240V 3300 @ 208V	5000 @ 240V 5000 @ 208V	6000 @ 240V 5000 @ 208V	7600 @ 240V 5000 @ 208V	10000 @ 240V 10000 @ 208V	11400 @ 240V 10000 @ 208V
AC Output Voltage Min-Nom-Max (V)	✓	✓	✓	✓	✓	✓	✓
AC Output Voltage Min-Nom-Max (Hz)	✓	✓	✓	✓	✓	✓	✓
AC Frequency (Nominal)	60	60	60	60	60	60	60
Maximum Continuous Output Current @ 240V	13	16	21	25	32	42	47.5
Maximum Continuous Output Current @ 208V	13	16	21	24	32	42	48.5
Power Factor	1. Adjustable - 0.85 to 0.95						
CFR Title 19, Section 175.106	1						
Utility Monitoring (Islanding Protection, Country, Configurable Thresholds)	Yes						

INPUT	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US
Maximum DC Power @ 240V	4620	5000	7720	9300	11800	15100	17620
Maximum DC Power @ 208V	4620	5100	7720	9300	11800	15100	15500
Temperature Class	Yes						
Maximum Input Voltage	480						
Nominal DC Input Voltage	380						
Maximum Input Current @ 240V	13.5	13.5	13.5	13.5	20	27	30.5
Maximum Input Current @ 208V	13.5	13.5	13.5	13.5	20	27	27
Max. Input Short Circuit Current	45						
Reverse-Polarity Protection	Yes						
Ground-Fault Isolation Detection	6000s Sensitivity						
Maximum Inverter Efficiency	99.2						
CEC Weighted Efficiency	99						
Maximum Power Consumption	4-2.5						
Maximum Power Consumption (at 0% output)	4-2.5						
Maximum Power Consumption (at 100% output)	4-2.5						
Maximum Power Consumption (at 100% output, 100% duty cycle)	4-2.5						
Maximum Power Consumption (at 100% output, 100% duty cycle, 100% ambient temperature)	4-2.5						

CONTRACTOR
 Trinity Solar
 Address: 2211 Allenwood Road Wall
 Township, NJ 07719
 Phone number: 888-865-7300
 E-mail: gosolar@trinity-solar.com



INVERTER DATA SHEET

ENGINEERING
 Drawn by: New@engineeringinc.com
 DATE: 03/03/2023

Project Name: Joanne Roper
 Property Address: 57 Rolling Meadow Dr, Tolland, CT 06084

System: PV SYSTEM
 Date: AS INDICATED
D 5.0

proceedings. All costs and expenses of such proceedings shall be paid by Lessee. Lessee shall continue to pay the Taxes while the same are being contested.

5.3 Payments in Event of Delinquency. If Lessee fails to pay the Taxes as required under this Lease, Lessor shall have the right to increase the User Fee by the amount of such Taxes so that Lessor may make such payments on behalf of Lessee in a timely manner.

5.4 Proof of Compliance. In the month following the payment of the Taxes as required by this Lease, Lessor or Lessee, as the case may be, upon paying such Taxes will upon written request by the nonpaying party furnish evidence satisfactory to the other documenting such payment. A photocopy of a paid receipt for such charges showing payment prior to the due date thereof shall be the usual method of furnishing such evidence.

ARTICLE VI. IMPROVEMENTS

6.1 Ownership. It is expressly understood and agreed that any and all of the Improvements purchased by Lessee or reconstructed, replaced, or maintained by Lessee upon any part of the Leased Premises shall be and remain property of Lessee, and title thereto shall be and remain vested in Lessee during the Term of this Lease. On the expiration of the Term of this Lease, or on the date of any earlier expiration or termination of this Lease, ownership of the Improvements, together with any alterations, additions and/or installations with respect thereto, shall revert to, and vest in, Lessor automatically, without the necessity of any further act or deed by Lessee. In confirmation thereof, Lessee shall promptly execute and deliver to Lessor any instrument, in recordable form, that Lessor may request to evidence such vesting of title in Lessor, and Lessee hereby irrevocably constitutes and appoints Lessor as its attorney-in-fact for Lessee to execute and deliver any such instrument for and on behalf of Lessee. Lessee has the right hereunder to construct the Improvements subject to the terms hereof and applicable law. It is expressly agreed that the Improvements may not be severed from the Leased Premises without the express written permission of Lessor. Lessee acknowledges that Lessee's exercise of the rights of ownership of the Improvements is subject to the provisions hereof, in particular to Article IX, regarding the disposition of the Improvements by Lessee and Lessor's option to purchase the Improvements.

6.2 Purchase of Improvements by Lessee. Lessor hereby grants, bargains, sells, and confirms in fee simple to Lessee, as grantee, the Improvements now located on the Leased Premises and more particularly described in Exhibit "C" attached hereto, subject, however, to all of the terms, covenants and conditions of this Lease, for the aggregate purchase price of NINETY THOUSAND, SEVEN HUNDRED (\$90,700.00) DOLLARS, the receipt of which is hereby acknowledged by Lessor.

6.3 Construction and Alteration. Any construction in connection with the Improvements permitted under this Lease is subject to the following conditions: (a) all costs shall be borne and paid for by Lessee; (b) all construction shall be performed in a workmanlike manner and shall comply with all applicable laws, ordinances and regulations, including the requirements of local and state public health authorities; (c) all construction must be consistent with the permitted uses set forth in Article III; (d) all construction must not be hazardous; and (e) all plans and specifications for the Improvements must be submitted to Lessor for its prior written approval, which approval shall not be unreasonably withheld or delayed beyond thirty (30) days.

6.4 Prohibition of Liens. (a) No lien, charge or order for services, labor or materials resulting from Lessee's capital improvements with respect to the Leased Premises shall attach to Lessor's title to the Leased Premises or to any other lands owned by Lessor. Lessee shall not suffer or permit any vendor's mechanic's, laborer's, or materialman's statutory or any other lien to be filed against the Leased Premises or the Improvements. Lessee shall within sixty (60) days after notice of any such filing cause the same to be discharged of record by payment, deposit, bond, order of a court of competent jurisdiction or as otherwise permitted by law. If Lessee shall fail to cause such lien to be discharged within such sixty (60) day period, then, in addition to any other right or remedy of Lessor, Lessor may, but shall not be obligated to, discharge the same by paying the amount in question. Lessee, in good faith and at Lessee's expense, may contest the validity of any such asserted lien, provided Lessee has furnished a bond in an amount set by statute or otherwise sufficient to release the Leased Premises and such other property owned by Lessor and subject to such lien from such lien. Any amounts paid by Lessor hereunder shall be deemed to be an additional User Fee payable by Lessee upon demand.

(b) Lessee shall indemnify Lessor for and save Lessor harmless against and from all costs, liabilities, suits, penalties, claims, and demands, including reasonable attorneys fees, resulting from such liens, charges, or orders. Nothing in this Lease shall be deemed or construed in any way to constitute the consent or request of Lessor, express or implied by inference or otherwise, to any contractor, subcontractor, laborer, or materialman for the performance of any labor or the furnishing of any materials for any specific alteration to or repair of the Leased Premises and the Improvements.

6.5 Maintenance and Repairs. Lessee shall, at all times during the Term of this Lease, and at Lessee's own cost and expense, keep and maintain the Improvements and the Leased Premises in repair and in good condition (ordinary wear and tear excepted) and shall use all reasonable precautions to prevent

Cassandra Santoro

From: Cassandra Santoro
Sent: Tuesday, April 4, 2023 9:14 AM
To: 'John Beck'
Subject: RE: [EXTERNAL]RE: Permit Application 57 Rolling Meadow Drive Tolland, CT

John,

1. We do not have any records of the roof being replaced since it was built (1994), if the roof needs to be reshingled how does that occur if the roof has solar panels on it? **RESPONSE From Trinity Solar: For roof work needed, panels will be removed and re installed after roof work. A reinstall fee will be added.**
2. After useful life of the solar panels has passed who is responsible for removing and disposing of them? **Response from Sunnova: The customer can contact Sunnova regarding a system removal or can contact a third party.**

If you can give me some dates I can send out an email to try and get a board meeting together.

Thank you.

From: John Beck <jbeck@siegeloconnor.com>
Sent: Monday, March 6, 2023 3:47 PM
To: Cassandra Santoro <csantoro@Tollandct.gov>
Subject: [EXTERNAL]RE: Permit Application 57 Rolling Meadow Drive Tolland, CT

Cassandra,

Before approving we need some additional information. First, how old is the roof and when was it last shingled? If the roof needs to be re-shingled how does that occur if the roof is covered with solar panels? Is the homeowner responsible for the removal of the solar panels and the re-installation of the same?

Secondly, after the useful life of the solar panels has passed is the installer responsible for removing the same and disposing of them?

Please inquire with Joanne Roper on the above and get back to me. Once I get answers we'll have to set up a meeting of the Board to discuss.

This is the first time we've been presented with this type of request.

John Beck

From: Cassandra Santoro <csantoro@Tollandct.gov>
Sent: Monday, March 6, 2023 2:31 PM
To: John Beck <jbeck@siegeloconnor.com>
Subject: FW: Permit Application 57 Rolling Meadow Drive Tolland, CT

John,

Attached is a building permit that has been pulled for 57 Rolling Meadow Drive for roof mounted solar. Please let me know how you would like to move forward. (I am assuming all work gets approved by you/the board for improvements?)

Thank you.

From: Laura Smith <lsmith@Tollandct.gov>

Sent: Monday, March 6, 2023 1:32 PM

To: Cassandra Santoro <csantoro@Tollandct.gov>

Subject: Permit Application 57 Rolling Meadow Drive Tolland, CT

Good afternoon,

Attached is the building and electrical permits for 57 Rolling Meadow Drive.

Thank you,

Laura Smith

Building Permit Technician

21 Tolland Green

Tolland, CT 06084

860-871-3601

lsmith@tollandct.gov

Please note the change in my email address to lsmith@tollandct.gov