Amended Agenda

Tolland Green Historic District Commission

21 Tolland Green, Tolland, Connecticut Wednesday, February 21, 2024 at 7:00 p.m., via Zoom **Remote Participation Only**

- 1. Call to Order
- 2. Election of Officers for the new calendar year
- 3. Seating of Alternate(s)
- 4. Additions to Agenda
- **5. Public Comment** Any person wishing to ask a question, make a comment or put forward a suggestion for any item or matter other than a public hearing item. (Two minute limit)
- 6. Public Hearing(s)
 - 6.1. <u>HDC #24-01 Certificate of Appropriateness</u>- Request to install PV solar panels, roof-mounted installation 13.60kW- 32 panels- not structural upgrades.
- 7. Old Business
- 8. New Business
 - 7.1 Consideration of the COA HDC #24-01 at 95 Tolland Green by the Commission, and vote thereon
- 9. Other Business
- 10. Correspondence
- 11. Approval of Minutes November 29, 2023 Special Meeting
- 12. Adjournment

To join the Zoom meeting, either click:

https://us06web.zoom.us/j/83900638828?pwd=bYwqVekq6NjhG6r7p7IN530pfxvsa9.1

One tap mobile: +13092053325,,83900638828#,,,,*02212024# US

Or call: 1-646-876-9923 and input:

Meeting ID: 839 0063 8828

Passcode: 02212024

Public Hearing

Legal Notice Public Hearing

Tolland Green Historic District Commission

The Tolland Green Historic District Commission will hold a Public Hearing on Wednesday, February 21, 2024, commencing at 7:00 p.m., to hear and discuss the following:

<u>95 Tolland Green</u> – Request to install PV solar panels, roof-mounted installation 13.60kW-32 panels- not structural upgrades.

A copy of these applications are on file and available for review online: https://www.tollandct.gov/historic-district-commission/pages/applications-pending

To be advertised twice in the Journal Inquirer: Thursday, February 8, 2024 and Thursday, February 15, 2024



TOLLAND GREEN HISTORIC DISTRICT COMMISSION Application for a Certification of Appropriateness

Property Information	n				
Property Address:	95 Toll	and Green, Tolland,	Connecticut 06084		
Property Owner:	John F	Hughes			
Phone Number:					
Applicant Informati				THE PARTY	
Applicant Name:	Venture I	Home solar - Marilu I	Medina (permit coor	dinator)	
Applicant Address:	327 Car	otain Lewis Dr. Sou	thington CT 06489	9	
Phone Number:		E	mail Address:		
Project Information	10 kg to 1				
Type of Building:		ential - Single house	е		
Nature and descript					riate drawing or plans
		or structure on the sit			
		ze and style of window ation. <i>(If more space n</i>			es, roofing material,
		ed installation 13.60k		7.00	odes
1 V Colai paricis i	701 IIIOGITE	d installation 10.00k	W - 02 parieis- Not s	structurar upgra	lues .
					•
Estimated Start and	Completic	n Dates:			
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Start.			ompiete:		
		existing structure or p	_		_
and the same of th		be altered, together w			
		nust accompany applica			f Tollana). <mark>EBuilding Department</mark> .
		duled within not more			
		of Appropriateness v			
This application for	n and all ac	companying plans and	I materials are accurat	e and complete	37
Applicant Signature		If this Hero		. 02/05/24	DECREE LAND
Applicant Signature	• –	[managem designation and			FED 0 6 2024
Property Owner Sig	nature: _	John Hughes	Date	: 02/05/24	20 FEB U 0 2024
					BY:
OFFICE-USE ONLY					
Received & Fee Paid	alin	24	Hearing Scheduled	: 2/21/2	4
Hearing Advertised:	7114	a 18/24+2 15/2	Action:	10110	
Notice of Action to	Applicant:		HDC Due Date:		04/11/2024

Aurora Shade Report

Customer

John Hughes

Address

95 Tolland Grn Tolland, CT 06084, USA Designer

Doug Finkbiner

Coordinates

(41.874286, -72.370815)

Organization

Venture Solar LLC

Date

31 January 2024



♦ Summary

Array	Panel Count	Azimuth (deg.)	Pitch (deg.)	Annual TOF (%)	Annual Solar Access (%)	Annual TSRF (%)
1	32	162	43	99	85	84
Weighted average by panel count	-	2	-	-	85.2	84.4

Monthly solar access (%) across arrays

Array	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	84	85	82	84	88	90	89	84	82	84	84	85

Customer John Hughes

Address 95 Tolland Grn Tolland, CT 06084, USA **Designer**Doug Finkbiner

Coordinates (41.874286, -72.370815) **Organization**Venture Solar LLC

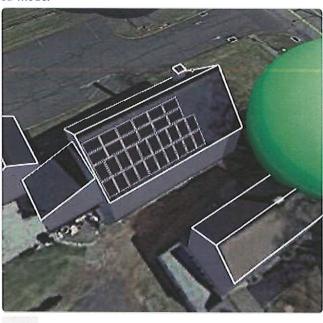
Date

31 January 2024





3D model



3D model with LIDAR overlay

1 19 ft



Customer John Hughes

Address 95 Tolland Grn Tolland, CT 06084, USA Designer

Doug Finkbiner
Coordinates

(41.874286, -72.370815)

Organization

Venture Solar LLC

Date

31 January 2024

Street view and corresponding 3D model









Prepared for:

Work Order

00074211

Number

Prepared By:

Name

Venture Home Solar



Prepared for:

Work Order

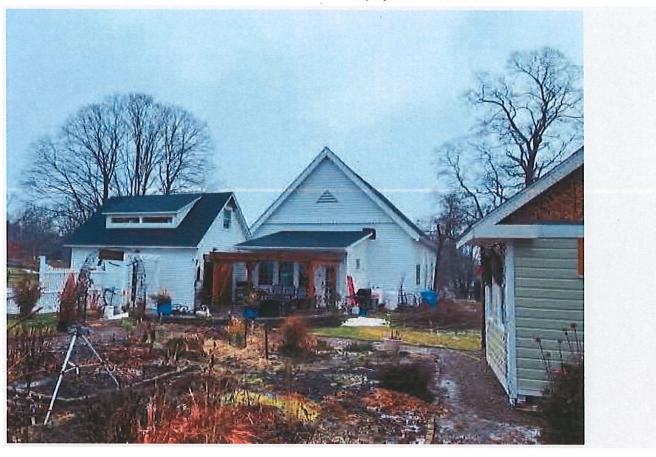
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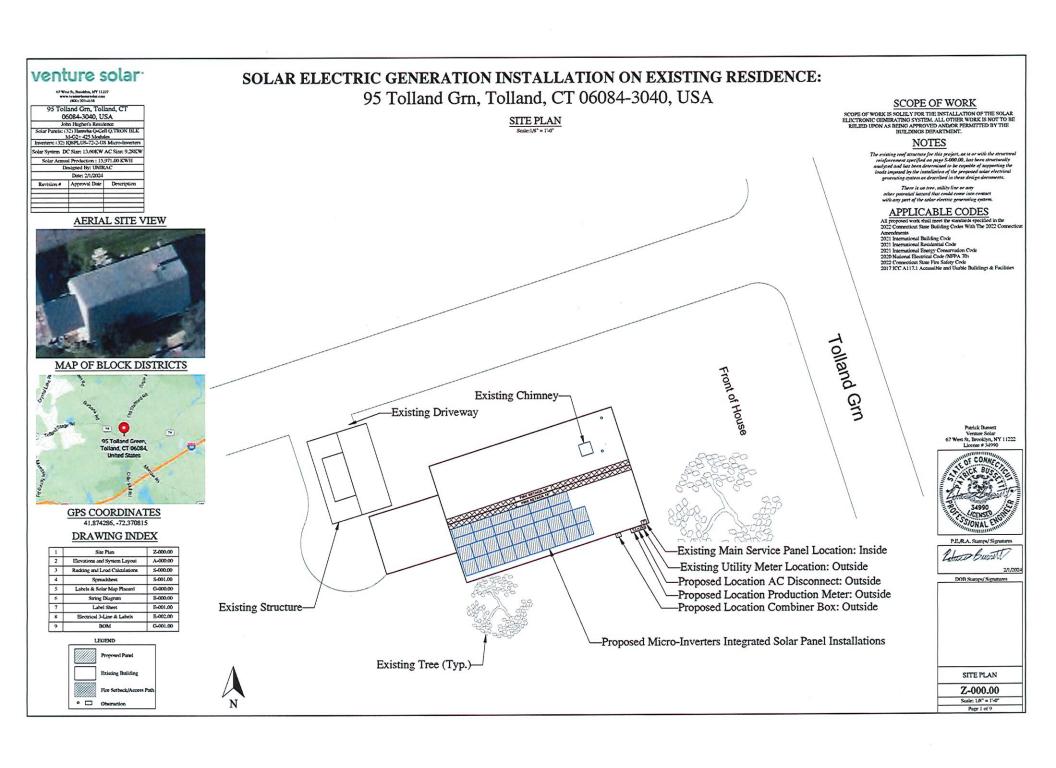
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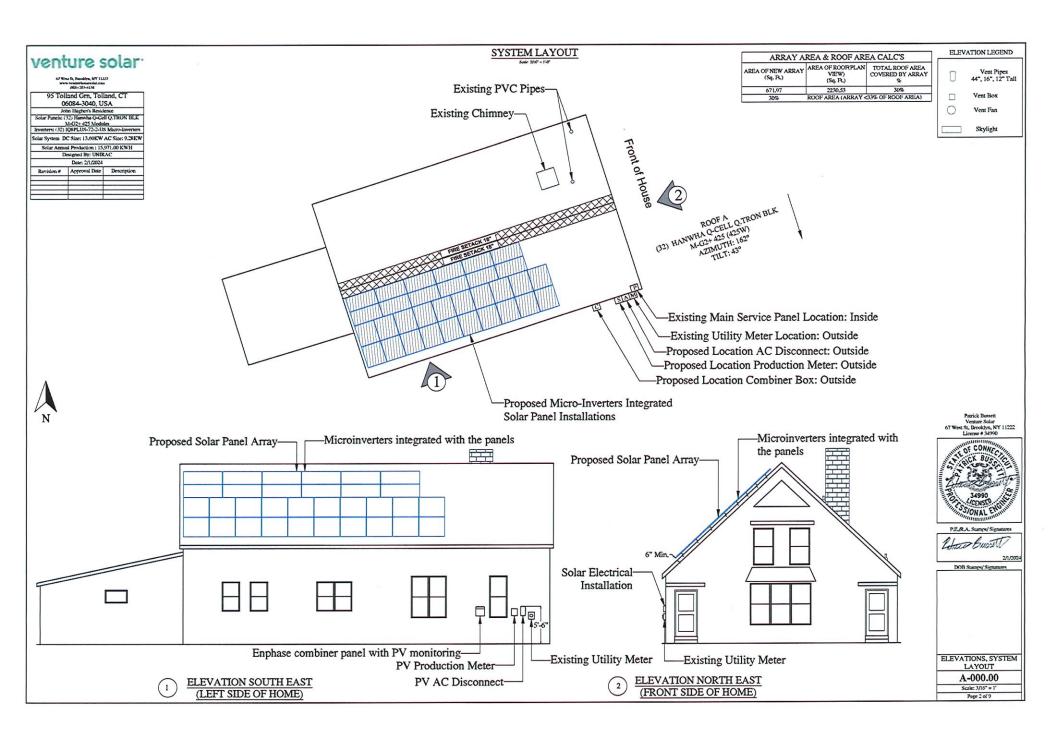
Name

Venture Home Solar









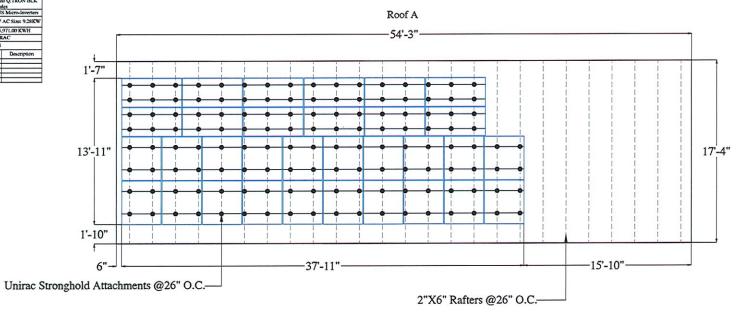
Venture solar 67 West St, Breddys, MY 11272 www.venturboursets.com 1000 200-2151 95 Tolland, CT 06084-3040, USA John Hugher's Residence Solar Panels: (32) Harwis Q-Coll QTRON BLK. MCQ- 453 Modification of Market Inventor: (32) 100PLUS-72-2-US Micro-Inventor: (32

Revision # Approval Date Description

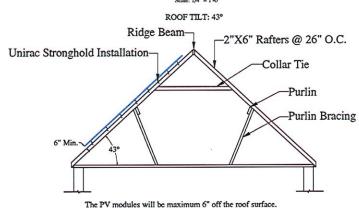
UNIRAC PARALLEL STRONGHOLD ROOF ATTACHMENT Scale: 3/8" = 1'-0"



Acceptable Rail Mounting Area
L-Feet Rail Supports shall be installed at each
end of rail and every 26" there after to support
all Solar array wind and snow loads. Roof
attachments shall be parallel.



ROOF STRUCTURAL DETAILS: Scale: 1/4" = 1'-0"



34990 CEMSED COMMENT

Patrick Bussett Venture Solar 67 West St, Brooklyn, NY 11222 License # 34990

P.E./R.A. Stamps/Signatures

Laboration () Majora VI

DOB Stamps/Signatures

RACKING AND LOAD CALCULATIONS
S-000.00

Scale: SEE SCALE Page 3 of 9

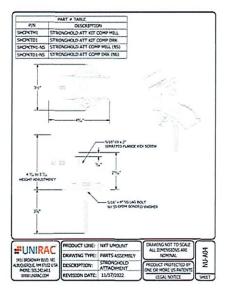


Solar Annual Production: 15,971.00 KWH Designed By: UNIRAC Date: 2/1/2024 Revision # Approval Date Description

NXT UMOUNT RAIL



STRONGHOLD INSTALLATION



NXT UMOUNT RAILS MAX. SPAN

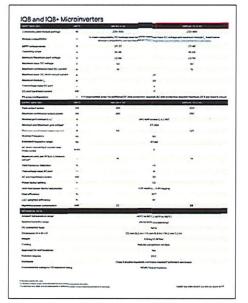
Maximum Continuous Spliced Rail Length for NXT UMOUNT Rail with Stronghold Attachments (ft.)/Maximum Reaction Force (lbs)

	Att	achment Spacir	ng
ΔT (°F)	24"	48*	72"
40	67 / 155	94/218	117/272
50	59/171	86 / 250	105/305
60	55 / 191	78 / 272	93 / 324
70	51/207	70 / 285	81/329
80	47 / 218	62 / 288	80/372
90	43 / 225	62/324	69 / 361
100	43 / 250	54/314	64/372
120	39 / 272	53/369	53 / 369
140	35 / 285	45/366	45 / 366

Maximum Continuous Spliced Rail Length for NXT UMOUNT Rail with Flashkit Pro Attachments (ft.)/Maximum Reaction

	Att	achment Spacin	g
ΔT (°F)	24"	48*	72*
40	75/139	102 / 189	129 / 239
50	67/155	94/218	117 / 271
60	63/175	86/239	105 / 292
70	55/178	78/253	93 / 302
80	51/189	70/259	93 / 345
90	51/213	70/308	31/338
100	47 / 218	62 / 287	30/371
120	43 / 239	62/345	56 / 367
140	39 / 253	54/350	57 / 370

INVERTER IQ8 PLUS SPEC-SHEET



COMBINER BOX 4 SPEC-SHEET

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PV MODULE SPEC-SHEET

- McCilai	nical Specification
Format	67.8 in × 44.6 in × 1.18 in (including frame) (1722 mm × 1134 mm × 30 mm)
Weight	47.2 lbs (21.4 kg)
Front Cover	0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodised aluminium
Cell	6 × 18 monocrystalline Q.ANTUM NEO solar half cells
Junction box	2.09-3.98 in × 1.26-2.36 in× 0.59-0.71 in (53-101 mm × 32-60 mm × 15-18 mm), Protection class IP67, with bypass diodes
Cable	4 mm² Solar cable; (+) ≥59.4 in (1510 mm), (-) ≥59.4 in (1510 mm)
Connector	Stäubli MC4: IP68

Patrick Bussett Venture Solar 67 West St, Brooklyn, NY 11222 License # 34990



Lotace Burnet

DOB Stamps/Signatures

SPREADSHEET

S-001.00 Scale: SEE SCALE Page 4 of 9

venture solar

67 West St, Basoklyn, NY 11222 www.venterlangesolar.com (800) 203-4156

95 Tolland Grn, Tolland, CT 06084-3040, USA John Hughes's Residence

Solar Paneis: (32) Hanwha Q-Cell Q.TRON BLK M-Q2+425 Modules Inverters: (32) IQ8PLUS-72-2-US Micro-Inverters

Solar System DC Size: 13,60KW AC Size: 9,28KW Solar Annual Production: 15,971.00 KWH

Designed By: UNIRAC Date: 2/1/2024

Revision # Approval Date Description

WARNING

ELECTRICAL SHOCK HAZARD

TERMINALS ON LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

LABEL LOCATION: INVERTER(S), AC DISCONNECT(S), AC COMBINER PANEL (IF APPLICABLE), PER CODE(S): NEC 2020: NEC 690.15 (C) & NEC 690.13(B)

RAPID SHUTDOWN FOR SOLAR PV SYSTEM

INVERTER/DC DISCONNECT IF REQUIRED BY LOCAL AHJ, OR OTHER LOCATIONS AS REQUIRED BY LOCAL AHJ, 690,12(D)(2)

△ WARNING

LABEL LOCATION: SERVICE PANEL IF SUM OF BREAKERS EXCEEDS PANEL RATING NEC 690,12 (B)(3)(2)

WARNING DUAL POWER SOURCE COND SOURCE IS PHOTOVOLTAIC SYSTEM

LABEL LOCATION: POINT OF INTERCONNECTION PRODUCTION METER NEC 705.12(D)(3) & NEC 690.59

NOTES AND SPECIFICATIONS:

• SIGNS AND LABELS SHALL MEET THE REQUIREMENTS OF THE 2020 ARTICLE 110.21/B), UNLESS SPECIFIC INSTRUCTIONS ARE REQUIRED BY SECTION 690, OR IF REQUIRED BY THE LOCAL AID.

SIGNS AND LABELS SHALL ADEQUATELY WARN OF HAZARDS USING

SIDE STATE WORDS, COLORS AND SYMBOLS.

LABELS SHALL BE PERMANENTLY AFFEXED TO THE EQUIPMENT OR WIRING MISTIDO AND SHALL NOT BE HAND WRITTEN.

LABEL SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE

ENVIRONMENT INVOLVED.
 SIGNS AND LABELS SHALL COMPLY WITH ANSI ZS35.4-2011, PRODUCT SAFETY

SIGNS AND LABELS, UNLESS OTHERWISE SPECIFIED.

DO NOT COVER EXISTING MANUFACTURER LABELS.

PHOTOVOLTAIC AC DISCONNECT **WARNING**

NOMINAL OPERATING AC VOLTAGE: 240 VAC

LABEL LOCATION: AC DISCONNECT(S), PHOTOVOLTAIC SYSTEM POINT OF

PHOTOVOLTAIC POWER SOURCE

PHOTOVOLTAIC POWER SOURCE

INTERCONNECTION. PER CODE(S): NEC 2020: 690.54

LABEL LOCATION: CONDUIT, COMBINER BOX (PER CODE: NEC800,31(D)(2)

LABEL LOCATION: EMT/ CONDUIT RACEWAYS (PER CODE: NEC 690.31(O)(2)

2020 NEC CODE 690,13(B)

MAIN PHOTOVOLTAIC SYSTEM DISCONNECT

LABEL LOCATION: MAIN SERVICE DISCONNECT / UTILITY METER

PHOTOVOLTAIC

AC DISCONNECT

THE DISCONNECTION OF THE GROUNDED CONDUCTOR(S) MAY RESULT IN OVERVOLTAGE ON THE EQUIPMENT

LABEL LOCATION: INVERTER PER CODE: NEC 690,31(E)

WARNING

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

LABEL LOCATION: COMBINER BOX / CIRCUITS / CONDUIT COMBINER BOX / ENCLOSURES / EMT ENCLOSURES PER CODE: NEC 706,15(C)(4) and NEC 690,13(B)

WARNING

TURN OFF PHOTOVOLTAIC AC DISCONNECT PRIOR TO WORKING INSIDE PANEL

LABEL LOCATION: COMBINER BOX / CIRCUITS / CONDUIT COMBINER BOX / ENCLOSURES / EMT ENCLOSURES PER CODE: NEC 110.27(C) & OSHA 1910.145(f)(7)

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

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



LABEL LOCATION: MAIN SERVICE PANEL PER CODE : NEC 2020 : IFC 605.11.3.1(1) & 690.56(C)

AC Output Current: 38.72A

COMBINER PANEL

COMBINER PANEL Nominal Operating AC Voltage: 240V

POWER TO THIS BUILDING IS ALSO SUPPLIED FROM THE FOLLOWING SOURCES WITH DISCONNECT(S) LOCATED AS SHOWN: LMAIN SERVICE PANEL UTILITY METER JUSED AC DISCONNECT

Patrick Bussett Venture Solar 67 West St, Brooklyn, NY 11222 License # 34990



P.E./R.A. Stamps/ Signatures Robert Burnett

DOB Stamps/Signatures

LABELS

G-000.00 Scale: NTS Page 5 of 9



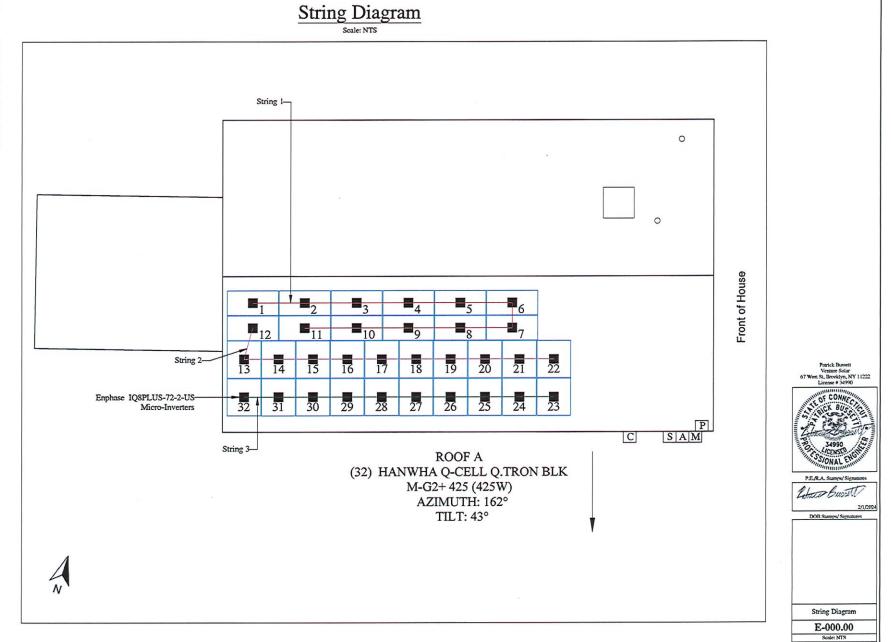
95 Tolland Grn, Tolland, CT

95 Foliatric Orti, Foliatric CT 06084-3040, USA John Hughe's Residence Solar Panels: (32) Hanwha Q-Cell QTRON BLX M-G2+425 Modules Inverters: (32) IQSPLUS-73-2-18 Micro-Inverters

Solar System DC Size: 13.60KW AC Size: 9.28KW

Solar Annual Production: 15,971.00 KWH Designed By: UNIRAC

Date: 2/1/2024 Revision # Approval Date Description



venture solar

67 West St, Basokhyn, NY 11222 www.ventnerbonerolar.com

••	(800) 203-4156	
95 Tol	land Grn, Toll	and, CT
0	6084-3040, US	SA
Jo	hn Hughes's Reside	ence
	(32) Hanwha Q-Cel M-G2+425 Modul	
Inverters: (32)	IQNPLUS-72-2-UN	Micro-Inverters
Solar System D	C Size: 13.60KW	AC Size: 9.28KW
Solar Anna	al Production: 15,9	71.00 KWH
E	esigned By: UNIR.	AC .
	Date: 2/1/2024	
Revision#	Approval Date	Description
		-

Labels Sheet

String Number	Module Number	Sticker
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Patrick Bussett Venture Solar 67 West St., Brooklyn, NY 11222



P.E./R.A. Stamps/Signature

Lobrar Burnett

DOB Stamps/Signature

Label Sheet

E-001.00 Scale: NTS Page 7 of 9

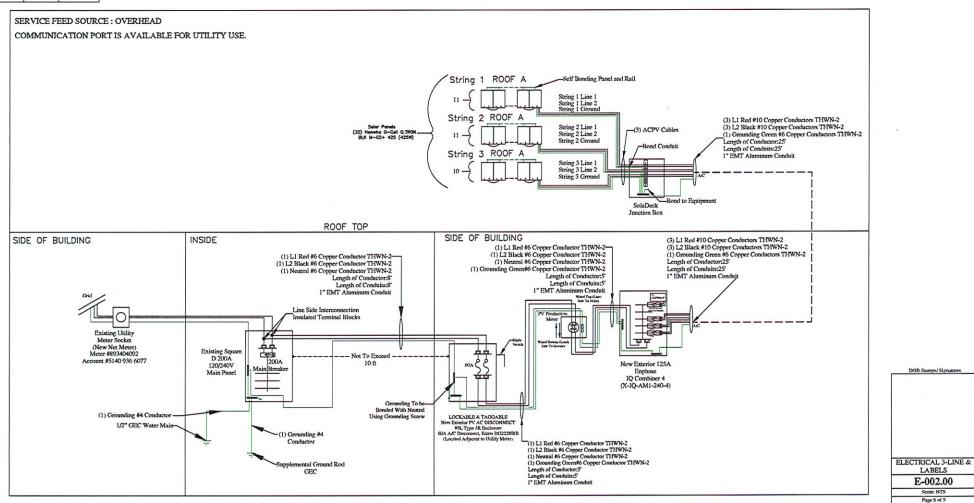
venture solar 67 West St, Brooklyn, NY 11227

	(800) 203-4156	
95 To	land Grn, Toll	and, CT
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	hn Hugher's Reside	
	32) Hanwha Q-Cel M-G2+ 425 Modul	
Inverters: (32)	IQNPLUS-72-2-US	Micro-Inverters
Solar System D	C Size: 13.60KW	AC Size: 9.28KW
Solar Anna	al Production: 152	971.00 KWH
E	esigned By: UNIR.	AC
	Date: 2/1/2024	
Revision#	Approval Date	Description
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	<u>M</u>	ODULE	SPEC-SHE	ET			
POWER CLASS			410	415	420	425	430
CHICAGE TA SONAWIGHER BURBLER	THIST CONDITIONS, ST	C POWER TO	DUSHANCE +EWI-O	1999			
Power at MPP*	*-	DVC	410	415	420	425	430
Short Circuit Current	-	[4]	13.39	12.42	13.46	13.49	13.53
Open Circuit Voltage*	V.	[M]	35 536	39.63	38.64	38.67	3870
Current at Nov	lan	141	12.08	12.75	12.82	VXX	12.9
Voltage at MIPP	V	[17]	22.32	32.55	32.37	32.98	33.2
Efficiency*	n	Lr1	≥214	>216	2219	×22.2	222
WINDOW PERFORMANCE AT NORMAL O	PERATING CONDITION	S. NWOT/					
Power at MPP		(W)	310.0	20.0	317.6	321.4	325
Short Circuit Current	4	[A]	10.79	10.82	10.84	10.07	10.9
Open Circuit Voltage	V.,	M	36.61	36.63	30.66	36-69	36.7
Current at MPP	-	(A)	9.97	10.03	10.09	1075	102
Voltage at Mary	Ven	DO:	21.09	31.29	2148	31.66	37.87

CIRCUIT DESCRIPTION	NO. OF INVERTERS	Imax (690.(8A))	Icont (690,(8B)(2)(a) calc	SPECIFIED CONDUCTOR	AMPACTIY @ 90°C	AMBIENT TEMPERATURE *C	CURRENT CARRYING COND.	COND. OF USE APPPLIED (690/8B)(2)(b) calc
PV SOURCE STRING 1	11.00	13.31	13.31 x 1.25 = 16.64	#10 THWN-2	40	31-35	1-3	40A x 0.96 (amb, temp) x 1.0 (raceway fill) = 38.40/
PV SOURCE STRING 2	11.00	13.31	13.31 x 1.25 = 16.64	#10 THWN-2	40	31-35	1-3	40A x 0.96 (amb, temp) 1 1.0 (mceway fill) = 38.40
PV SOURCE STRING 3	10.00	12.10	12.10 x 1.25 = 15.13	#10 THWN-2	40	31-35	1-3	40A x 0.96 (amb, temp) x 1.0 (moeway fill) = 38,40/
COMBINER BOX OUTPUT	32.00	38,72	38.72 x 1.25 = 48,40	#6 THWN-2	75	31-35	1-3	75A x 0.96 (amb, temp) x 1.0 (raceway fill) = 72.00/
AC DISCONNECT OUTPUT	32.00	38.72	38.72 x 1.25 = 48.40	#6 TTTWN-2	75	31-35	1-3	75A x 0.96 (amb, temp) x 1.0 (raceway fill) = 72,00/

FUSE SIZE CALCULATIONS STRING CALCULATIONS (11) x 1.21A x 1.25 = 16.64A < 20A -> OK (32) x 1.21A x 1.25 = 48.40A = 60A fuse size (Min.) (11) x 1.21A x 1.25 = 16.64A < 20A -> OK (10) x 1.21A x 1.25 = 15.13A < 20A -> OK



DOB Stamps/Signatures

venture solar

67 West St, Brooklyn, NY 1122 www.veamerlane.com

	(900) 203-4138
	95 Tolland Grn, Tolland, CT
	06084-3040, USA
	John Hughes's Residence
	Panels: (32) Hanwha Q-Cell Q.TRON BLK M-O2+ 425 Modulet
Inver	ters: (32) IQRPLUS-72-2-US Micro-Inverters
Solar S	System DC Size: 13.60KW AC Size: 9.28KW

scription

		VENTUR	ESOLAR			
Customer Name	John Hughes		RVALVAS GERMAN GERMANNA PROPERTY DE LA CONTRACTOR DE LA C			
	95 Tolland Grn, Tolland, CT 06084-3040, USA					
	UNIRAC					
	ROOF ELECTRICAL					
Description	Qty.	Bar Code	Description	Qty.	Bar Code	
Hanwha 425	32		Enphase IQ Combiner	4 1		
Portrait Q Cable - #Conn	24		Enphase Mobile Conne	ct 1		
Landscape Q Cable- #Conn	14		Enphase IQ7 + Mic	ro 0		
Q Term	3		Enphase IQ7X Mic	ro 0		
Q Seal	G		Eaton 20 A Break	er 3		
Q-Conn 10M	2		IPC - 4/0 - #6 (Tap	s) 2		
Q-Conn 10F	2		60 A Disconne	ct 1		
Micro Inverter T Bolt	34		60A Set of Fuse	s 1		
Wire Restraints	3		100 AMP Disconne	ct 0		
Ground Lug	4		100A Set of Fuse	s 0		
	Pitched ROOF		125 A Solar Load Cent	er 0		
Strong Hold Box (Qty.20)	4		Square D 100 A Main Break	er 0		
Unirac Rail	22		Square D 20 A Break	er 0		
Unirac Splice	6		Square D 15 A Break	er 0		
Unirac Ends	17		Enphase IQ Envi	oy 0		
Unirac Mids	4		Enphase IQ7A Mic	ro 0		
Solar Seal	4		Enphase IQ8 Mic	ro 0		
Solar Deck	1		Enphase IQ8+ Mic	ro 32		
Consumption CT x 1Sets	200		Enphase IQ8MC Mic	ro 0		
Fire and Smoke detector x 1 No	No		Enphase IQ8H Mic	ro 0		
		Battery	Details			
Manufacturer		Туре	Mfr. Part No. & Descript	ion	Qty	
Enphase Energy Inc		Battery	Enphase Encharge 1	10	0	
Enphase Energy Inc		Other	ENCHARGE-10-1P-NA AC E	Battery	0	
Enphase Energy Inc		Moniter	COMMS-KIT-01 (Ensemb	ole)	0	
	FLAT ROOF		CONFIRM	ATION		
Chemlink 6" E-curb Kit	0					
L- Foot Box w/ Nut & Bolt (Qty.24)	0					
4" Stand Off	0					
Unirac Tilt 18 - 30*	0					
Unirac Tillt 26 - 44"	0					
Unirac Tilit 40 - 72"	0		Procurement Team Signature			
Silver Unirac Rail	0					
Silver Unirac Splice	0					
Silver Unirac End	0					
Silver Unirac Mid	0		1 .			
4" Lag	0					
8"x8"x4" Junction Box	0		Crew Foreman Signature			

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SPECIAL MEETING MINUTES TOLLAND GREEN HISTORIC DISTRICT COMMISSION Wednesday, November 29, 2023 at 7:00 p.m. REMOTE MEETING

Public Hearing

1. Call to Order by the chair at 7:00.

2. Roll Call

Commissioners: Jodie Coleman-Marzialo, Chair; Ann Deegan, substitute clerk; Celeste Senechal, alternate: John Hughes

Katie Murray, town council liaison

Guests: Mr. Bailey Brenn (applicant), Reverend Doctor Jeffrey Gallagher, pastor of the UCCT, Dr. Fred Day-Lewis, Ms. Cindy Minchune, Rep from AE Solar, Ms. Cheryl Randino. Mrs. Tonja Kelly

3. Continued discussion of Application for a COA at 45 Tolland Green to install black non reflective solar energy collection panels to the south facing roofs on the main church and daycare building (on the rear property of church).

Mr. Brenn discussed the new configuration of the panels as seen in the revised material included in the Special agenda meeting packet for the November 29, 2023, meeting of the TGHDC. It states that there would no longer be panels installed on the main church building. According to Ms. Cindy Minchune, there will be 75 panels on a freestanding structure at the rear of the church property. It is beyond the purview of the historic district and will not be seen from the road. There will be a fence around this structure and a buffer zone with foliage added. There will also be 26 solar panels located on the backside west-facing roofs and one south-facing roof that will not be visible from the street.

4. Neighbor Comments:

Mrs. Tonja Kelly 64 Tolland Green, spoke in support of the solar project at the UCCT. She stated that she has lived in town for 44 years and on the Green for 32. Mrs. Kelly wrote a letter declaring her support for the solar project, which was to be included in the October minutes and was not. I will now be added.

Alternate commissioner, Mr. Hughes stated that he was hopeful that the Commission would now be able to accommodate the church in this project.

The letters received since the November 15th meeting that are in the revised meeting packet for the special meeting of the TGHDC on November 29th should be included in the minutes of the November 29, 2023, special meeting. There were 15 letters received, 10 in support and 5 opposed.

5. Motion to close the public hearing at 7:14 by C. Senechal, 2nd A. Deegan. Vote: unanimous.

The Regular meeting was called to order at 7:14.

- 1. Roll Call: Same as above.
- 2. Motion to accept the UCCT proposal as presented in the revised special meeting packet to place a solar free-standing structure on the rear of their property outside the TGHD which will not be visible from the road and will be fenced in with plantings to further obscure view from the street. There will also be 26 additional panels on west facing roofs and one south facing roof, none of which will be visible. There will be no panels placed on the main roof of the church per material found in the updated agenda of the special public hearing of the TGHDC. By C. Senechal 2nd A. Deegan Vote: unanimous

3. Old Business

3.1 proposed sidewalk on the Green. According to our liaison, the preliminary findings seem to indicate that there is no problem with the project going forward as proposed by the town manager and town council as the archeological study did not find anything problematic.

4. Miscellaneous:

- 4.1 Vice chair will be retiring. New officers will be discussed and voted on at a later meeting. This retirement will create a vacancy and the commission was reminded by our liaison that the Town Council is in charge of appointing and approving all new members.
- 5. Motion to approve the revised minutes of the October 18, 2023, TGHDC meeting with the letters in support and against the solar panels to be included. The letter from Mrs. Tonja Kelly in support of the panels should be included. By C. Senechal, 2nd A. Deegan vote unanimous.
- 6. Motion to approve the minutes of the November 15, 2023, TGHDC. By C. Senechal, 2nd A. Deegan vote unanimous.
- 7. Motion to adjourn at 7:24 by C. Senechal, 2nd A. Deegan vote unanimous Respectfully submitted,

Ann Deegan, Substitute Clerk

From: Jodie Coleman-Marzialo

Sent: Saturday, November 25, 2023 12:04 PM

To: Laura Smith; Celeste Senechal; Ann Deegan

Cc: Jim Paquin; Michael McGee ; John Hughes

); Mariah B; Kathy Bach

Subject: [EXTERNAL]Fw: Solar panel on UCCT

Hi Laura,

Can you please update our Nov. 29th meeting packet to include this neighbor response.

Thank you,

Jodie

From: Hollie Barnas < >
Sent: Friday, November 24, 2023 12:47 PM
To: Jodie Coleman-Marzialo <

Subject: Re: Solar panel on UCCT

Hi Jodie - we would approve of solar panels on the back roof of the church ONLY if the church replants *large* trees that were removed along the parking lot perimeter. Prior to removal, the trees obstructed the view of the backside of the church and daycare building from my home and when driving on Tolland Green road thereby maintaining the historic ambience. Since tree removal our home and road drivers have a clear line of sight to the parking lot which includes the back roof of the church. Therefore, without plantings, the solar panels would be seen from our home and the road and they would not appear consistent with a registered historic area and designated scenic road. My hope is that a win-win situation can be negotiated so that the church can have the eco-benefits of solar while they also take responsibility for maintaining the historic area ambience they reside in.

Thank you for allowing me the opportunity to comment, Hollie (31 Tolland Green)

On Thu, Nov 23, 2023 at 10:38 AM Jodie Coleman-Marzialo < > wrote: Hi Hollie and Dave,

The United Congregational Church would like to install solar panels on the main roof of the church toward the back. Do you have a neighbor comment please. We referred to the comments from 2018 and are reaching out to those to comment again. Our continued PH is next Wednesday Nov. 29th. Please let me know.

Happy Thanksgiving,

Jodie

From: Jodie Coleman-Marzialo <

Sent: Monday, November 27, 2023 8:07 PM

To: Laura Smith; Celeste Senechal; Ann Deegan; Michael McGee

; John Hughes ; Jim

Paquin

Cc:Kathy Bach; Mariah BSubject:[EXTERNAL]Fw: solar panels

Hi Laura,

I have a few more neighbor letters to add to our Special Meeting packet in addition to the one I sent you Saturday from Hollie Barna.

Thanks for help,

Jodie

From: Stella Demand

Sent: Sunday, November 26, 2023 4:32 PM

To:

Subject: solar panels

As residents of the Tolland Green, we hope to preserve the historicity of our neighborhood. We are encouraging the Historic District Commission to decline any request that would degrade the historic aesthetic, the degree to which we feel would be acceptable if the installation were limited to the less prominent parts of the structure. We believe the church is a beautiful building, and is perhaps the most iconic component of our neighborhood. We hope the parties can come to an agreement by which the historical integrity of the neighborhood is preserved far into the future.

Thank you for considering our input.

Phil and Stella Demand

81 Tolland Green

From: Jodie Coleman-Marzialo

Sent: Monday, November 27, 2023 8:08 PM

To: Laura Smith; Jim Paguin; Ann Deegan; Celeste Senechal; Michael McGee

; John Hughes

Cc: Mariah B; Kathy Bach

Subject: [EXTERNAL]Fw: UCCT solar panels

Here is another letter for our packet.

Jodie

From: Craig Surber

Sent: Sunday, November 26, 2023 7:50 PM

To: Jodie Coleman-Marzialo

Subject: Re: UCCT solar panels

As a former resident of the historic district I do not like the idea. I believe it will take away from the historical feel of the green. All these types of proposal will eventually ruin the historic feel of the green. I feel it is important to maintain and preserve the green before we have gone to far.

Craig Surber

[Sent from the all new AOL app for iOS]Sent from the all new AOL app for iOS

On Saturday, November 25, 2023, 3:54 PM, Jodie Coleman-Marzialo <

The United Congregational Church would like to install solar panels on the main roof of the church toward the back. As a previous resident of the HD do you have a comment please. We referred to the comments from 2018 and are reaching out for comments again. Our continued PH is next Wednesday Nov. 29th. Please let me know.

Happy Thanksgiving,

Jodie

From: Jodie Coleman-Marzialo <

Sent: Monday, November 27, 2023 8:13 PM

To: Laura Smith; Jim Paquin; Ann Deegan; Celeste Senechal; Michael McGee

); John Hughes

Cc: Mariah B; Kathy Bach

Subject: [EXTERNAL]Fw: Solar Panels for UCCT

And here is another please for our meeting packet. I believe we have 24 hours to post the agenda and materials for a Special Meeting. Thanks for your help.

Jodie

From: Denis Deegan

Sent: Monday, November 27, 2023 2:12 PM

To:

Subject: Solar Panels for UCCT

Jodie,

Please allow me to express my absolute objection to "any" use of visible solar panels on "any" property located on or adjacent to the historically designated Tolland Green. Just because one Tolland Green resident played the delay game to side step the Historic District Commission's purview, doesn't then make that outcome precedent for all other property owners.

This is a very pivotal point in terms of preserving the intentions of prior generations to maintain Tolland as an aesthetically traditional old New England town. If the creation of the Tolland Historic Commission and its chartered intentions to protect the integrity of the Tolland Green can no longer be maintained because of demographic new-comers who fail to understand its purpose, then it's time for everyone to admit that Tolland is ready to walk away from its historical identity. Placing solar panels on the main structure of UCCT as they have proposed will create an extreme eyesoar in addition to significantly degridating the historical value of the Town Green.

While I am committed to supporting steps to allow the environment to overcome the proliferation of hydrocarbon pollutants, let's take into consideration the full perspective. First and foremost, what steps are all of these concerned individuals taking to minimize their own personal carbon footprint. What type of vehicle(s) do they drive? How many miles a day / week / year do they drive? Do they take mass transportation? How efficient are their heating systems? Do they operate wood burning stoves or fireplaces? Have their homes been brought up to the highest efficiency standards? It's extraordinarily easy for "concerned individuals" to support measures that either shift the burden upon others and / or directly benefit their own pocketbooks.

It is also critical to keep in mind that advancements in alternative energy are dramatically evolving with each passing year. We can simply compare the solar panels of a few years ago with those of today to see both the aesthetic and energy generation improvements that have occurred. One can only imagine what advancements will transpire over the next 5 to 10 years that may potentially render today's solar panels obsolete. Why is it so critical for UCCT to take this action now?

In closing, two final thoughts. Only "residents" of Tolland should have any involvement in decisions relating to the maintenance of The Green's historical purity. And, when part of a property owner's argument / solution

involves enhancing or maintaining trees or other plantings to mitigate a proposal that violates the intent of The Tolland Green's historical designation, then they must be legally bound to that solution. Allowing property owners to later walk away from their commitment, as at least one other Tolland Green resident has, should place them in violation of Town Ordinance and thus forfeiture of their CofO.

Thank you,

Denis J. Deegan 689 Tolland Stage Road

From: Jodie Coleman-Marzialo <

Sent: Monday, November 27, 2023 9:47 PM

To: Laura Smith; Jim Paquin; Ann Deegan; Celeste Senechal; Michael McGee

); John Hughes

Cc: Mariah B; Kathy Bach

Subject: [EXTERNAL]Fw: Solar panels

Hi Laura,

Here is one more neighbor comment for the HDC Special Meeting packet.

Thanks, Jodie

From: Heather & Matt

Sent: Monday, November 27, 2023 9:20 PM

To:

Subject: Solar panels

Hi Jody - Here's a statement you can include for the meeting about the solar panels on the Congregational church:

In considering the installation of solar panels on the Congregational church, we believe any decision should prioritize preserving the visual integrity of our historic neighborhood. Any placement should be discreet and not only maintain the historical appearance of the Green, but consider the potential impact on neighboring properties.

Heather and Matt Ferretti