

Town of Lancaster, Massachusetts Office of Community Development and Planning



LANCASTER PLANNING BOARD SPECIAL PERMIT APPLICATION

NOTE: There are several sections to this application. Please read the entire application form before proceeding.

- 1. REQUIRED SUBMITTALS:
 - a) An application fee of \$150.00 plus \$15.00 per unit must accompany the application (check payable to the *Town of Lancaster*)
 - b) Advertising fee of \$50.00 (check payable to the Town of Lancaster)
 - c) A list of parties in interest
 - d) Revenue Certification Form
 - e) Five copies of completed application with additional submittals, as required, to the Planning Board. One copy of completed application to the Town Clerk.
- 2. OWNER/PETITIONER: Henry Duplease

Address 275 Langen Road, Lancaster, MA 01523

Telephone 978-365-7689 E-mail hduplease@aol.com

 AGENT FOR OWNER (if applicable): Edward Whitaker/ Second Generation Energy LLC Address 85 S Bow St, Milford, MA 01757

Telephone <u>508-377-4037</u> E-mail operations@sgegroup.com

4. PREMISES FOR WHICH SPECIAL PERMIT IS SOUGHT:

 Street
 275 Langen Road, Lancaster, MA 01523

 Between
 Main St

 Street and
 Old County Road

 Worcester District Registry of Deeds Book
 Page

 Lancaster Assessor's Map
 Parcel(s)

SITE PLAN CHECKLIST

A site plan must accompany each application, petition or appeal to the Board for projects involving new construction. This check list provides a summary of the site plan contents as specified in the Board's Rules and Regulations. The Rules and Regulations are available online at <u>www.ci.lancaster.ma.us</u> and at the Community Development and Planning Office.

IMPORTANT NOTE: By checking the "No" box on any of the items listed below, *the applicant is requesting that Board consider granting a waiver* of strict compliance with the Rules and Regulations. Please note that if this waiver requested is not granted, the hearing process may be continued until the Site Plan is completed.

Provided	Provided	Site Plan Requirement
YES	NO	
		Minimum Drawing size of 8.5" x 11"
-		Drawn to scale with scale noted
		Property lines and boundaries
		Name and address of record owner
		Names and locations of adjacent streets
\checkmark		North arrow
_		Zoning district and any zone lines in vicinity of project
		Existing and proposed buildings or additions including number of stories and height of all structures
		Paved areas, existing and proposed parking or loading spaces
		Existing utility lines including septic and underground structures
		Locations of structures on adjoining property
\checkmark		Lot area and dimensions, including setbacks where new construction or additions are proposed

The Board may also require that additional drawings or drawing content be provided specific to the application. This may include items such as site topography or existing and proposed building elevations. The applicant should consider providing this type of information with the initial application if it will help the Board better understand the basis of the requested findings.

5. APPLICATION FOR ENTERPRISE ZONING DISTRICT: (for other than Enterprise Zoning District, please proceed to Section 6)

Each application in this category will require:

- a) Narrative of no fewer than 200 words describing the proposed use; and
- b) Six (6) copies of a site plan of the building's layout on the lot as well as the layout of the interior of the facility, relationship to abutting properties with a residential dwelling and setbacks to property lines. Additional required information follow the specific item listed below:
- _____ Living facility for seniors as authorized at Section 220-8.1 (C)
- _____ Boarding, training or veterinary care as authorized at Section 220-8.2 (D)
- _____ Facilities for active outdoor recreation utilizing motorized equipment as authorized at Section 220-8.3 (C)
- Underground or overhead communications, gas, electrical, etc. as authorized at Section 220-8.4 (A)
- Nonprofit community centers, places of public assembly, etc. containing more than 500 square feet for assembly or a use customarily conducted as a business as authorized at Section 220-8.4 (C)
- Long-term care facility as authorized at Section 220-8.4 (D)
- Other customary accessory uses within Public, Health, Educational and Institutional Uses as authorized at Section 220-8.4 (BB)
- Heliports as authorized at Section 220-8.4 (CC), Section 220-8.5 (DD) and Section 220-8.6 (EE)
- Retail stores; craft, consumer, professional or commercial establishments as authorized at Section 220-8.5 (A) *(specific to sub-district EZ-A and sq. ft. requirement)*
- _____ Shopping center as authorized at Section 220-8.5 (B)
- Gasoline service stations, including minor repairs only as authorized at Section 220-8.5 (C)
- _____ Car washing establishments as authorized at Section 220-8.5 (E)
- _____ Dry-cleaning and laundry establishments as authorized at Section 220-8.5 (F)
- Funeral parlor, undertaking establishments as authorized at Section 220-8.5 (G)
 Hotels, motels, inns as authorized at Section 220-8.5 (H)
- Restaurants with drive-on/drive-through facilities as authorized at Section 8.5 (I) Medical Clinics as authorized at Section 8.5 (J)
- Printing, publishing and assembly, finishing, or packaging or products as authorized at Section 220-8.6 (A)
- _____ Open storage facilities for lumber, stone, brick, gravel, cement or other bulk materials and contractor's yards as authorized at Section 220-8.6 (E)
- Research and development, engineering, assembly and construction of models, prototypes, samples and experimental products in connection with research, engineering, or development activities as authorized at Section 220-8.6 (H)

- One-family dwelling for personnel required for the safe operation or maintenance of a permitted use as authorized at Section 220-8.6 (AA)
- Outdoor storage accessory to a principal use as authorized at Section 220-8.6 (BB)
- _____ Retails outlets for products of the principal industrial use (*two sets of criteria*) as authorized at Section 220-8.6 (CC)
- Activities accessory to activities permitted in other districts as a matter of right, whether or not on the same parcel as the principal permitted use, which are necessary in connection with scientific research or scientific development or related production as authorized at Section 220-8.6 (DD)

6. APPLICATION FOR ALL OTHER ZONING DISTRICTS:

Each application in this category will require:

- a) Narrative of no fewer than 200 words describing the proposed facility and use; and
- b) Six (6) copies of a site plan of the facility's layout on the lot as well as the layout of the interior of the facility, relationship to abutting properties with a residential dwelling and setbacks to property lines. Those marked with an asterisk (*) require a plan other than a site plan as listed above. Additional required information follow the specific item listed below:

 Health and Fitness Center as authorized at Section 220-8.3 (H)
 Heliports as authorized at Section 220-8.4 (CC), Section 220-8.5 (DD) and Section 220-8.6 (EE)
 Medical Clinic as authorized at Section 220-8.5 (J)
 *Integrated Planning Overlay District as authorized at Section 220-8.7. Integrated Plan as specified in Section 220-8.7 (E) of the Lancaster Zoning Bylaw.
 Setback for soccer field as authorized at Section 220-11 (D)
 *Lot shape as authorized at Section 220-14. Show gross lot area and the lot shape calculation, including any areas being excluded from the calculation of lot area.
*Flexible Development as authorized at Section 220-15. Include calculations justifying the proposed number of lots in relation to land area as well as six (6) copies of a Definitive Plan as described in Section 301-8 of the Subdivision Regulations.
 *Shared or extended driveway as authorized at Section 220-22 (G) and (H). Plan of the driveway, parking facilities, development being served, and lot boundaries for each serviced lot, and in the case of extended driveways, existing and

	proposed centerline profile, at $1''=40'$ horizontal and $1''=4'$ vertical unless another scale is approved prior to submittal.
	*Building design as authorized at Section 220-35 (B) and (C). Reference design elements prompting exemption of this bylaw as well as plan showing layout and dimensions of the building and the lot.
	*Disturbance control departure as authorized at Section 220-36.1 (A). Vicinity plan at $1^{"} = 100^{\circ}$ or larger, indicating relationship of the disturbance source, zoning district boundaries, and use of adjacent and nearby premises.
	*Lighting as authorized at Section 220-36.2 (H). Alternative lighting proposal.
	*Water Resource District as authorized at Section 220-39. Include attachments as specified in Section 200-39 (F) (5) of the Lancaster Zoning Bylaw.
<u>X</u>	*Solar Energy System as authorized by Article XVII of the Lancaster Zoning Bylaw.

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- ADDITIONAL SUBMITTALS See items marked with asterisk (*) above. 6.
- HENRY DVYLEASE 7. SIGNATURE OF OWNER/PETITIONER HENRY DUPLEASE (May 17, 2022 09:35 EDT) _{Date} May 17, 2022
- SIGNATURE OF AGENT FOR OWNER (if applicable) 8. Edward Whitaker

Date 5/17/2022

RECEIVED BY THE LANCASTER TOWN CLERK: Junie C. Martin, 9.

Date MAY 25 2022

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Important Contact Information

Office of Community Development and Planning Zoning Enforcement Officer/Building Inspector Fax

978-365-3326 Ex. 1311 978-365-3326 Ex. 1309 978-368-4009

Last Revised: December 2016

CERTIFIED LIST OF PARTIES IN INTEREST

OWNERS NAME: Henry Duplease ADDRESS OF PROPERTY: 275 Langen Road, Lancaster, MA 01523 MAP & PARCEL: _____

The following is a list of all parties of interest, as defined by Massachusetts General Laws, Chapter 40A, Section 11.

PARTIES IN INTEREST shall mean the Petitioner, abutters, owners of land directly opposite on any Public or Private Street or way and abutters to the abutters within 300' of the property line, even though said land is in another city and/or town, and the Planning Boards of Lancaster and contiguous towns.

LEAN MAILING

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NAME	LEGAL MAILING ADDRESS (ZIP)
APPLICANT: Henry Duplease	275 Langen Road, Lancaster, MA
OWNER: Henry Duplease	275 Langen Road, Lancaster, MA
AGENT/ATTORNEY:	
X LANCASTER PLANN	ING BOARD
HARVARD PLANNING	G BOARD
BOLTON PLANNING	BOARD
CLINTON PLANNING	BOARD
LEOMINSTER PLANN	VING BOARD
SHIRLEY PLANNING	BOARD
LUNENBURG PLANN	ING BOARD

TAX MAP & PARCEL #	NAME	PROPERTY AFFECTED STREET & NUMBER	LEGAL MAILING ADDRESS (ZIP)
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RTIFIED BY BOARD	OF ASSESSORS:		DATE:

ABUTTERS CERTIFICATION

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REVENUE CERTIFICATION

Application/Petition/Appeal of:

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- 1. Applicant: Henry Duplease
- 2. Owner: _Henry Duplease
- 3. Property: Assessors Map _____ Parcel _____

Pursuant to G.L. c. 40D, Section 57, and the General By-Laws of the Town of Lancaster, the undersigned applicant hereby certifies as follows:

- 1) The following named persons, firms or corporations constitute the complete list of all parties having an ownership or proprietary interest in the property or use subject to the above-entitled application.
- 2) Each of the below listed parties have complied with the laws of the Commonwealth of Massachusetts and the Town of Lancaster in that they have not neglected or refused to pay any local taxes, fees, assessments, betterments or other municipal charges for not less than a twelve month period.

NAME OF INTERESTED PARTY Henry Duplease	ADDRESS
OWNER: Henry Duplease	275 Langen Rd, Lancaster, MA
APPLICANT: Henry Duplease	275 Langen Rd, Lancaster, MA
OTHER:	
·····	
	·····
Signed under the pains and penalties of perjury, <u>HENRY DUPLEASE</u> HENRY DUPLEASE (May 17, 2022 09:35 EDT) Signature of Applicant	Dated: May 17, 2022
CERTIFIED BY TOWN OF LANCASTER TOWN COLLEC	TOR Dated: $5 - 23 - 2 + 2$

Last Revised: December 2016

Duplease_Special Permit Application

Final Audit Report

2022-05-17

Created:	2022-05-17		
By:	Second Generation Energy LLC (solardocuments@sgegroup.com)		
Status:	Signed		
Transaction ID:	CBJCHBCAABAAso-7aRzwZLf734zxwuq6dbVK7lNfv5gL		

"Duplease_Special Permit Application" History

- Document created by Second Generation Energy LLC (solardocuments@sgegroup.com) 2022-05-17 1:28:11 PM GMT- IP address: 98.118.42.53
- Document emailed to HENRY DUPLEASE (hduplease@aol.com) for signature 2022-05-17 1:29:01 PM GMT
- Email viewed by HENRY DUPLEASE (hduplease@aol.com) 2022-05-17 - 1:30:19 PM GMT- IP address: 146.75.253.252
- Document e-signed by HENRY DUPLEASE (hduplease@aol.com) Signature Date: 2022-05-17 - 1:35:00 PM GMT - Time Source: server- IP address: 15.181.49.150

Agreement completed. 2022-05-17 - 1:35:00 PM GMT



85 S Bow St, Milford, MA 01757

May 17, 2022

Lancaster Town Hall Planning Department 701 Main St, Suite 4 Lancaster, MA 01523 *RE: Special Permit Application- Proposed Ground-Mounted Photovoltaic System* 275 Lange Road, Lancaster, MA 01523

Dear Lancaster Planning Board:

Second Generation Energy LLC & Edward Whitaker submits the enclosed proposal and application on behalf of the property owner, Henry Duplease, at 275 Langen Road, Lancaster, MA 01523. The applicant proposes to develop a 13.44 Kw(DC) ground-mounted solar photovoltaic system and corresponding electrical equipment. Please find enclosed:

- 1. \$150.00 Application Fees
- 2. \$50.00 Advertising Fee
- 3. Parties of Interest List
- 4. Revenue Certification Form
- 5. Six (6) copies of the completed application
- 6. Six (6) copies of the Site Plan

A brief narrative of the proposed project is provided below.

Project:

The applicant proposes to construct a 13.44 Kw(DC) ground-mounted solar photovoltaic system array in the central region of the property at 275 Langen Road, Lancaster, MA. The array occupies 697.87 square feet and has at least 125' setback from all property lines. The PV system will consist of 28 Hanwha Q-Cell Q Pak Duo XL-G10.D 480W panels. The system is in the rear of the home and not visible from Langen Road. The work includes Ground Mount Racking (SunModo Ground Mount System), PV Module & Inverter Installation, PV Equipment grounding, PV Disconnects, PV Grounding Electrode & Bonding to GEC, PV Final commissioning, Signage placed in accordance with local building code. The PV system complies with the national electric code (NEC), MA Building Code, 9th Edition, MA Comprehensive Fire Safety Code and relevant codes specified by the Lancaster AHJ. The project is allowed by Section 220-76 Ground-Mounted Solar Photovoltaic Installations for Lancaster MA.

Please feel free to call me at 508-377-4037 or email me at operations@sgegroup.com with any questions or comments.

Sincere dward Whitaker

Owner, Second Generation Energy LLC



Town of Lancaster

695 Main Street, Suite 4 Lancaster, MA 01523 Telephone: 978-365-3326 ext. 1310 Fax: 978-368-4009

Department of Conservation

May 13, 2022

Henry Duplease 275 Langen Road Lancaster, MA 01523

Mr. Duplease,

Upon review of your property at 275 Langen Road, Lancaster, MA, there are no recorded wetlands on your site and you will not require Conservation Commission approval to install ground mounted solar on your site.

Thank you,

Jasmin Farinacol, Director of Community Development and Planning



Scott E. Wyssling, PE Jon P. Ward, SE, PE Gregory T. Elvestad, PE 76 North Meadowbrook Drive Alpine, UT 84004 office (201) 874-3483 swyssling@wysslingconsulting.com

April 20, 2022

Current Insight 2852 W. Amini Way South Jordan, UT 84095

> Re: Engineering Services Duplease Residence 275 Langen Road, Lancaster MA 13.440 kW System

To Whom It May Concern:

Pursuant to your request, we have reviewed the following information regarding ground mount solar panel installation at the above referenced location:

- 1. Structural drawings prepared by IronRidge identifying specific racking layout and components for the proposed ground mount system.
- Design drawings of the proposed system including a site plan, and details for the solar panels. This information was prepared by Current Insight and will be utilized for approval and construction of the proposed system.

Based on our review of the Photovoltaic Array installed at 2 modules high and 14 modules wide. The PV array shall have a screw/auger spacing of 7'-0" max east/west and 7'-0" max north/south. Based on a wind speed of 122 mph, Exposure C and a ground snow load of 50 PSF, it was determined that the minimum required depth of the auger/screw shall be 96" inches below grade. The augur/screw shall be tested in the field after installation to provide minimum 2,000 lbs pull out and this information shall be provided to this office.

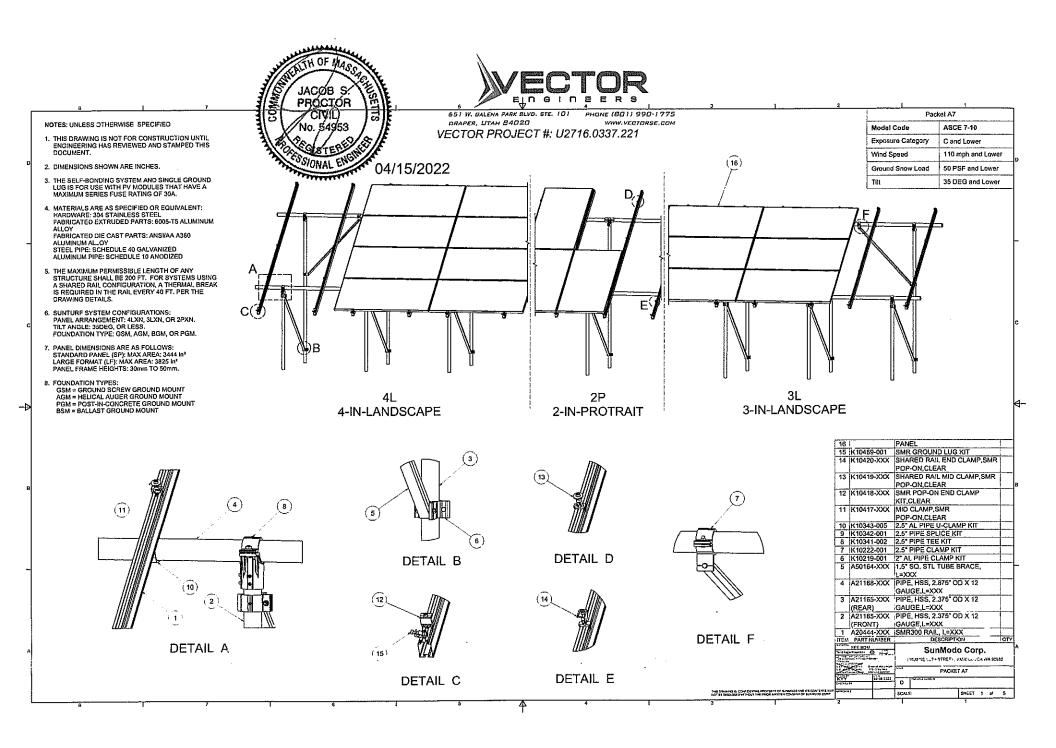
Based on the above evaluation, it is the opinion of this office that with appropriate construction the footing and post assembly will adequately support the proposed solar array. This evaluation is in conformance with the 2019 California Building Code, current industry and standards, and based on information supplied to us at the time of this report.

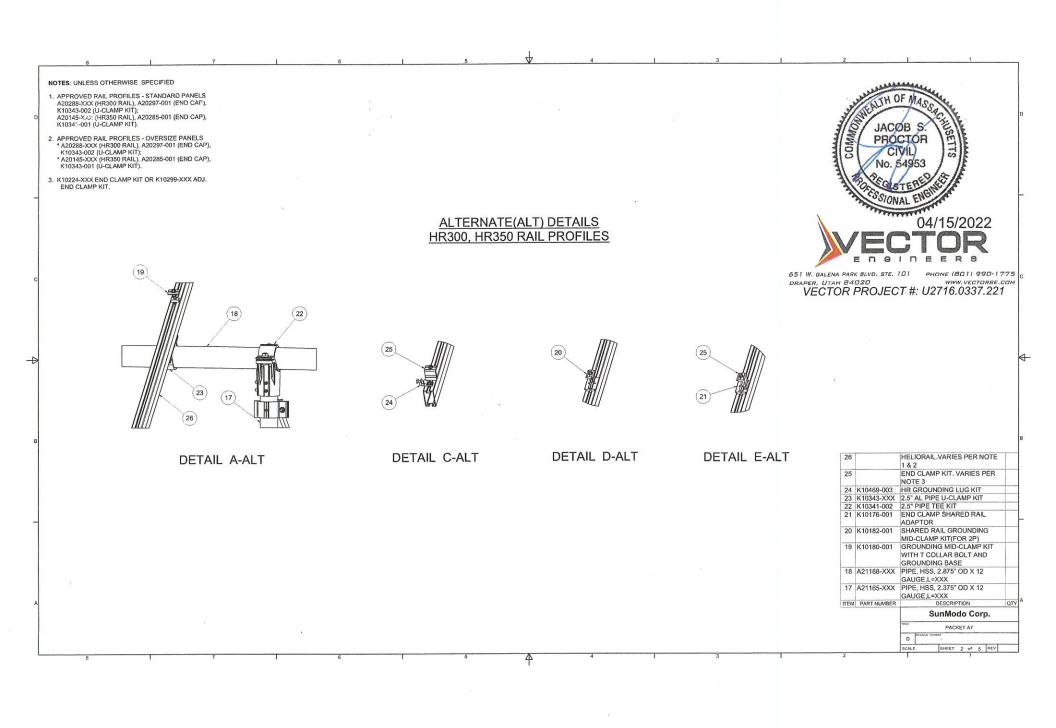
This certification is specific to the footing design for the solar system and does not include the racking system. Racking system and components designed and specified by the manufacturer (IronRidge).

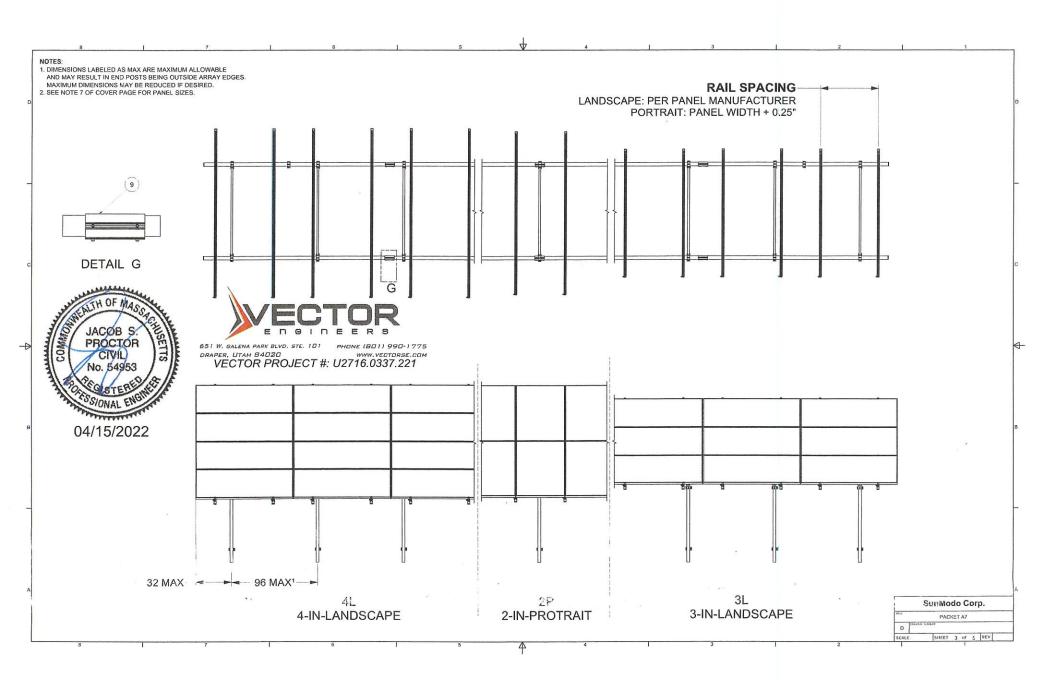
Should you have any questions regarding the above or if you require further information do not hesitate to contact me.

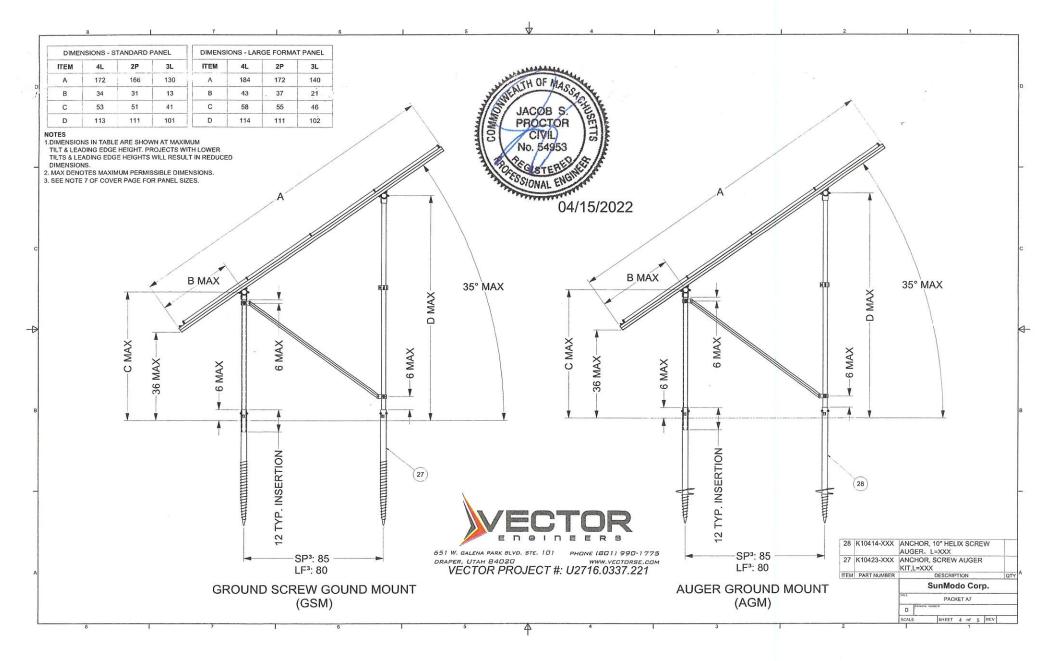
Scott E. Wyssling, MA License No. 5050

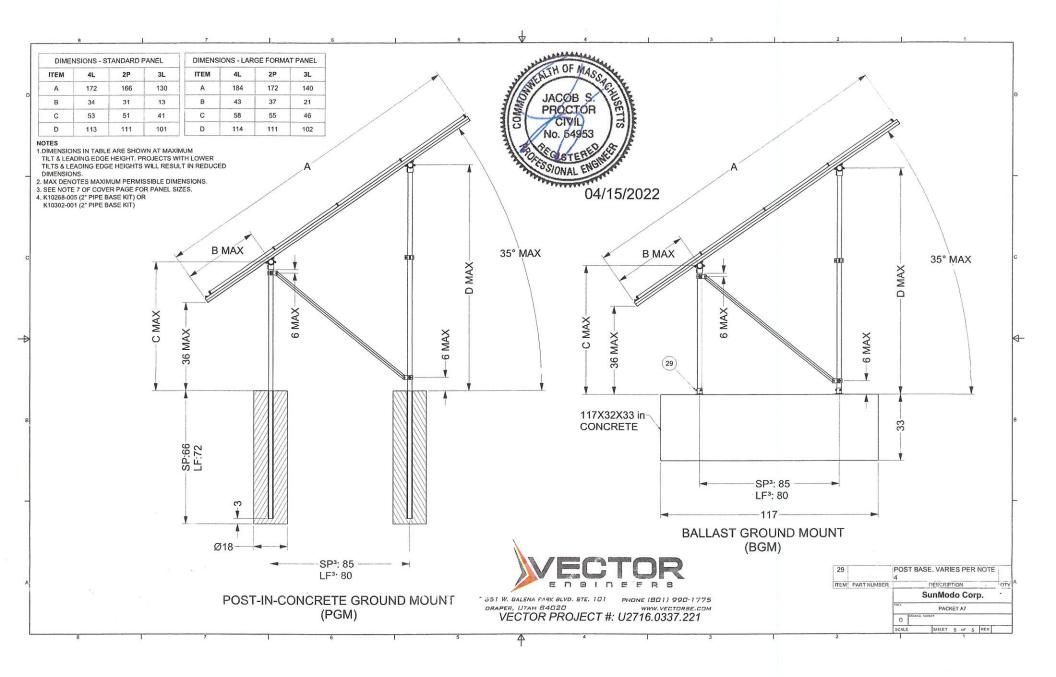












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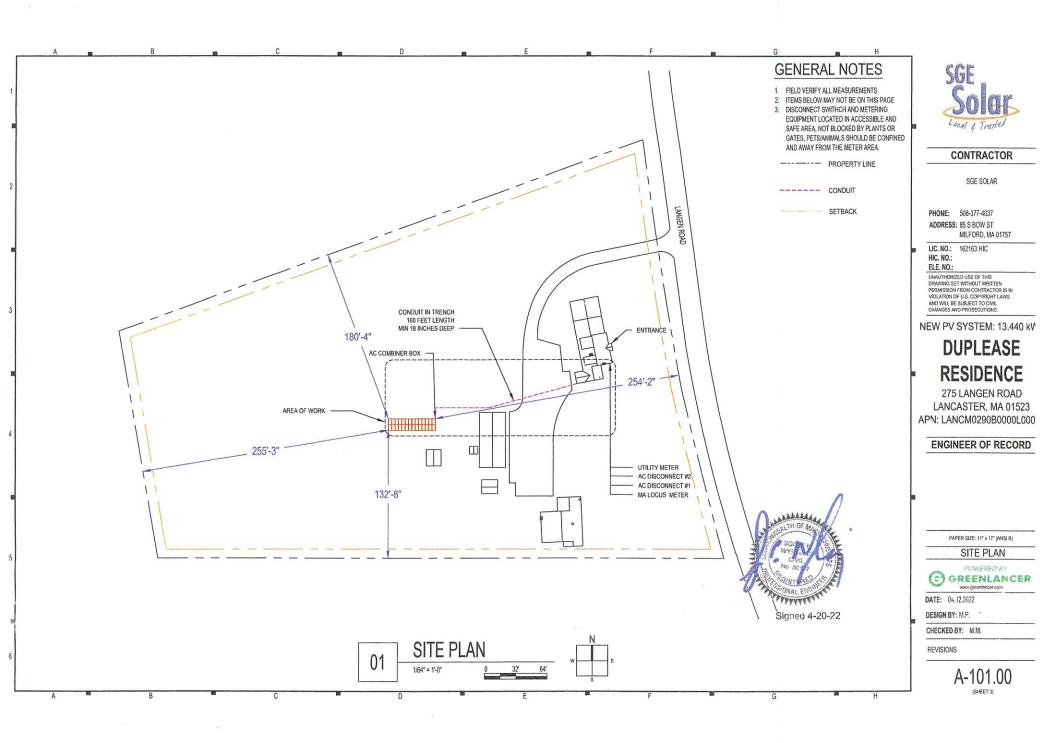
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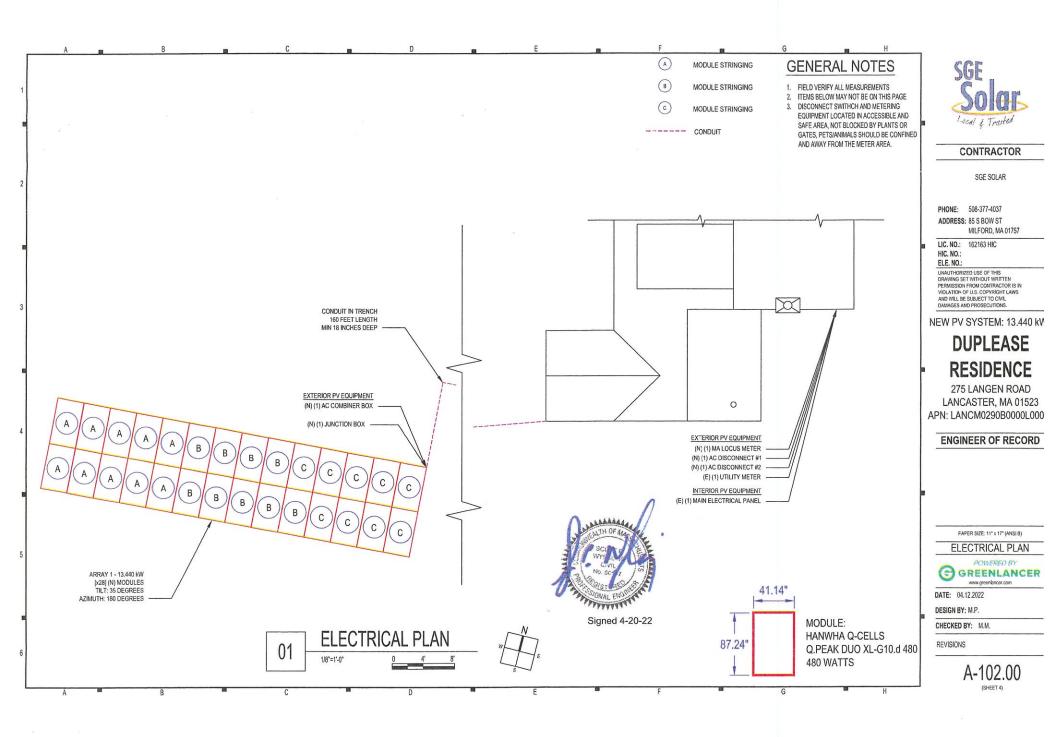
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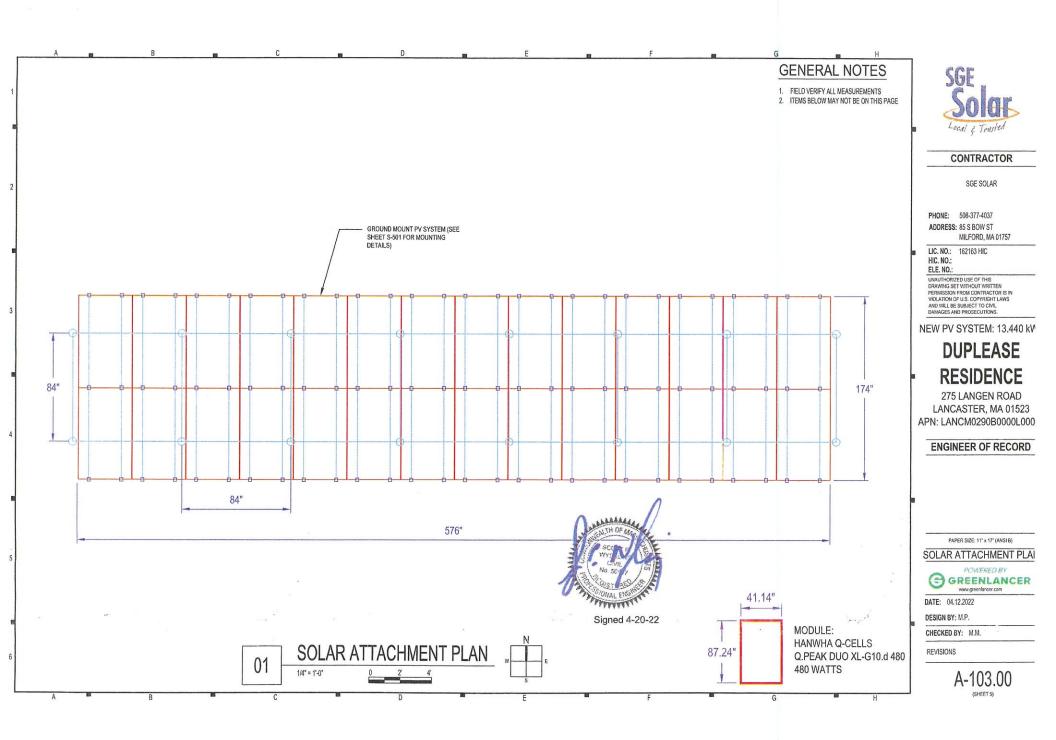
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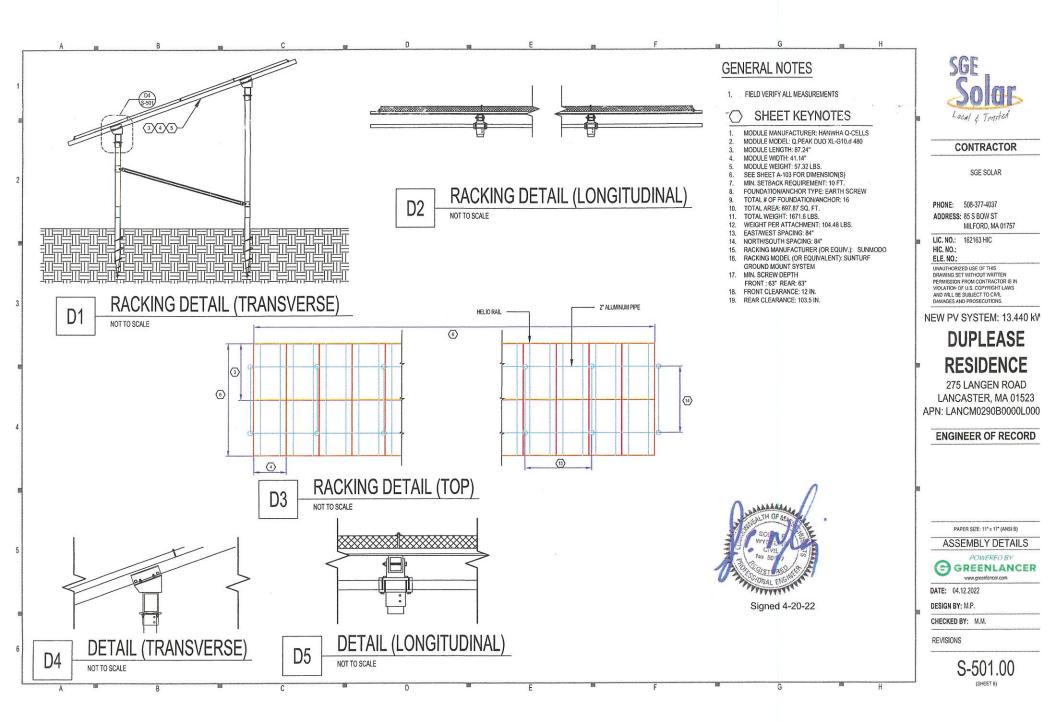
GENERAL NOTES	NEWDV OVOTENA: 12 440 kWm	SHEET LIS	T TABLE	SGE
1.1.1 PROJECT NOTES:	NEW PV SYSTEM: 13.440 kWp	SHEET NUMBER	SHEET TITLE	
1.1.2 THIS PHOTOVOLTAIC (PV) SYSTEM SHALL COMPLY WITH THE NA ELECTRIC CODE (NEC) ARTICLE 690, ALL MANUFACTURERS'S LISTIN	DNAL	T-001	COVER PAGE	J JOHR
INSTALLATION INSTRUCTIONS, AND THE RELEVANT CODES AS SPECIF		G-001	NOTES	Local & Townfed
THE AUTHORITY HAVING JURISDICTION'S (AHJ) APPLICABLE CODES. 1.1.3 THE UTILITY INTERCONNECTION APPLICATION MUST BE APPROVED A		A-101	SITE PLAN	
SYSTEM INSPECTED PRIOR TO PARALLEL OPERATION		A-102	ELECTRICAL PLAN	CONTRACTOR
1.1.4 ALL PV SYSTEM COMPONENTS; MODULES, UTILITY-INTER		A-103	SOLAR ATTACHMENT PLAN	
INVERTERS, AND SOURCE CIRCUIT COMBINER BOXES ARE IDENTIFIE LISTED FOR USE IN PHOTOVOLTAIC SYSTEMS AS REQUIRED BY NEC		S-501	ASSEMBLY DETAILS	SGE SOLAR
PV MODULES: UL1703, IEC61730, AND IEC61215, AND NFPA 70 CLASS INVERTERS: UL 1741 CERTIFIED, IEEE 1547, 929, 519 COMBINER BOX(I		E-601	LINE DIAGRAM	
1703 OR UL 1741 ACCESSORY	ASSESSOR'S #: LANCM0290B0000L00080	E-602	DESIGN TABLES	PHONE: 508-377-4037
1.5 MAX DC VOLTAGE CALCULATED USING MANUFACTURER PROVIDED	EMP	E-603	PLACARDS	ADDRESS: 85 S BOW ST
COEFFICIENT FOR VOC. IF UNAVAILABLE, MAX DC VOLTAGE CALCU ACCORDING TO NEC 690.7.		R-001	RESOURCE DOCUMENT	MILFORD, MA 01757
1.6 ALL INVERTERS, PHOTOVOLTAIC MODULES, PHOTOVOLTAIC PANEL: SOURCE CIRCUIT COMBINERS INTENDED FOR USE IN A PHOTOVICAL PANEL PHOTOVICAL PANEL PHOTOVICAL PHOTOVICA		R-002	RESOURCE DOCUMENT	HIC. NO.:
POWER SYSTEM WILL BE IDENTIFIED AND LISTED FOR THE APPLIC		R-003	RESOURCE DOCUMENT	ELE. NO.: UNAUTHORIZED USE OF THIS
PER 690.4 (D). SHALL BE INSTALLED ACCORDING TO ANY INSTRUC FROM LISTING OR LABELING [NEC 110.3].	ONS	R-004	RESOURCE DOCUMENT	DRAWING SET WITHOUT WRITTEN PERMISSION FROM CONTRACTOR IS IN
1.7 ALL SIGNAGE TO BE PLACED IN ACCORDANCE WITH LOCAL BUILDING	ODE.	R-005	RESOURCE DOCUMENT	VIOLATION OF U.S. COPYRIGHT LAWS AND WILL BE SUBJECT TO CIVIL DAMAGES AND PROSECUTIONS.
IF EXPOSED TO SUNLIGHT, IT SHALL BE UV RESISTANT. ALL PLAQUE SIGNAGE WILL BE INSTALLED AS REQUIRED BY THE NEC AND AHJ	AND	R-006	RESOURCE DOCUMENT	The second secon
SIGNAGE WILL BE INSTALLED AS REQUIRED BY THE NEC AND AHJ.		PROJECT I	NFORMATION	NEW PV SYSTEM: 13.440
2.1 SCOPE OF WORK:				DUPLEASE
2.2 PRIME CONTRACTOR IS RESPONSIBLE FOR THE DESIGN SPECIFICATIONS OF THE GRID-TIED PHOTOVOLTAIC SYSTEM RET		OWNER NAME:	HENRY DUPLEASE	
PRIME CONTRACTOR WILL BE RESPONSIBLE FOR COLLECTING EX				RESIDENCE
ONSITE REQUIREMENTS TO DESIGN, SPECIFY, AND INSTALL THE GF MOUNT ARRAY PORTION OF THE PHOTOVOLTAIC SYSTEMS DETAIL		PROJECT MANAGEF NAME:	3	275 LANGEN ROAD
THIS DOCUMENT.	A State of the second se	PHONE:		LANCASTER, MA 01523
3.1 WORK INCLUDES:	AERIAL PHOTO	CONTRACTOR		APN: LANCM0290B0000L00
3.2 GROUND MOUNT RACKING - SUNMODO GROUND MOUNT SYSTEM - SUNTURF	01 NOT TO SCALE	NAME:	SGE SOLAR	ENGINEER OF RECORI
3.3 PV MODULE AND INVERTER INSTALLATION - HANWHA Q-CELLS Q.PEA		PHONE:	508-377-4037	ENGINEER OF RECORD
XL-G10.d 480 / ENPHASE IQ8A-72-2-US		AUTHORITIES HAVIN		
3.4 PV EQUIPMENT GROUNDING 3.5 PV LOAD CENTERS (IF INCLUDED)		BUILDING: ZONING:	LANCASTER, MA LANCASTER, MA	
3.6 PV METERING/MONITORING (IF INCLUDED)		UTILITY:	NATIONAL GRID	je -
3.7 PV DISCONNECTS 3.8 PV GROUNDING ELECTRODE & BONDING TO (E) GEC	B MATH OF MARK	DESIGN SPECIFICAT	TIONS	
3.9 PV FINAL COMMISSIONING		OCCUPANCY:		
.3.10 (E) ELECTRICAL EQUIPMENT RETROFIT FOR PV .3.11 SIGNAGE PLACED IN ACCORDANCE WITH LOCAL BUILDING CODE		CONSTRUCTION: ZONING:	SINGLE-FAMILY RESIDENTIAL	PAPER SIZE: 11" x 17" (ANSI B)
3.12 TRENCHING (IF NECESSARY)		GROUND SNOW LOA		COVER PAGE
	U ST	WIND EXPOSURE: WIND SPEED:	B 122 MPH	
	· · · · · · · · · · · · · · · · · · ·	WIND OF CED.		www.greenlancer.com
STEM SIZE: STC: 28 X AS WY = 13,440KW	Signed 4-20-22	APPLICABLE CODES BUILDING:	S & STANDARDS MASSACHUSETTS BUILDING CODE, 9TH	DATE: 04.12.2022
PTC: 28 X 447 1W = 12.519KW DC		DOILDING.	EDITION, AS AMENDED (780 CMR),	DESIGN BY: M.P.
(2c) HANWHA Q-CELLS O PEAK DUO XL-G10.d 480 (28) ENPHASE IQ8A-72-2-US			MASSACHUSETT'S RESIDENTIONAL BUILDING CODE, 9TH EDITION, AS	CHECKED BY: M.M.
			AMENDED (780 CMR)	REVISIONS
TACHMENT TYPE: SUNMODO GROUND MOUNT SYSTEM - SUNTURF	W	ELECTRICAL:	NEC 2020	T 004 00
SP UPGRADE: NO	NOT TO SCALE	FIRE:	MASSACHUSETTS COMPREHENSIVE FIRE SAFETY CODE (527 CMR 1.00)	T-001.00

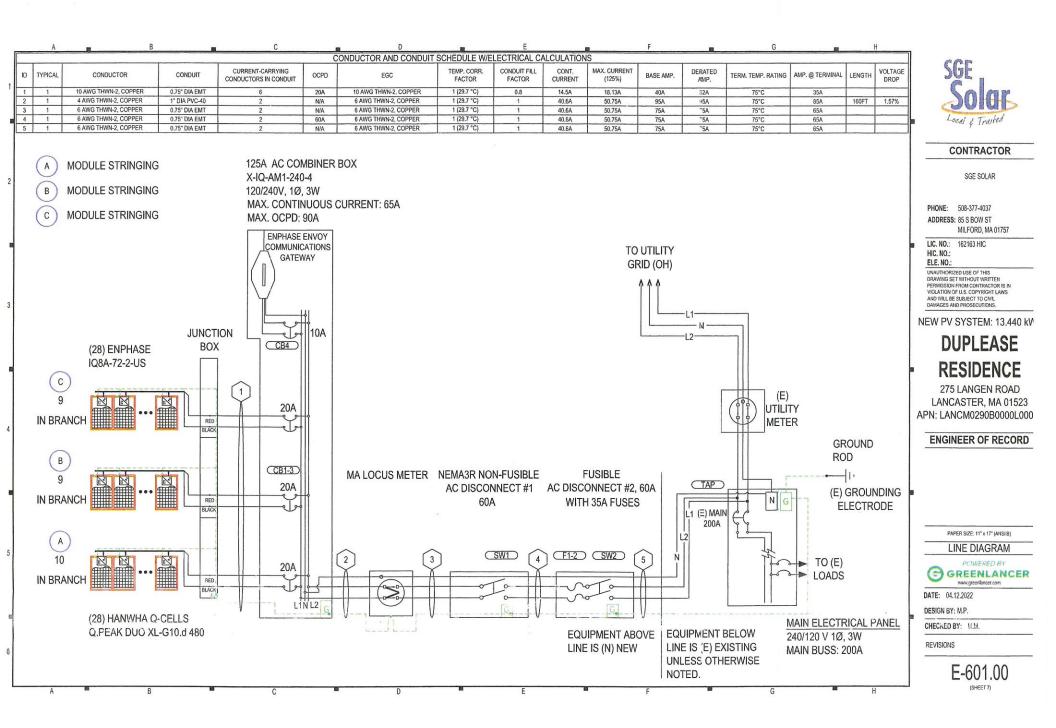
		А в С		D		E		F		G H		
	2.1.1	SITE NOTES:		NOT EXCEED 120% OF BU						W, ORANGE*, OR OTHER CONVENTION	1	SGE
	2.1.2	THE PV MODULES ARE CONSIDERED NON-COMBUSTIBLE AND THIS SYSTEM IS A UTILITY INTERACTIVE SYSTEM WITH NO STORAGE BATTERIES.	2.5.4	THE SUM OF 125 PERC CURRENT AND THE RATI					NEUTRAL- WHITE OR GRAY			DUC
1	2.1.3 2.1.4	THE SOLAR PV INSTALLATION WILL NOT OBSTRUCT ANY PLUMBING OR MECHANICAL. PROPER ACCESS AND WORKING CLEARANCE AROUND EXISTING AND PROPOSED		BUSBAR SHALL NOT E BUSBAR, PV DEDICATED					* IN 4-WIRE DELTA CONNECTED S TO BE MARKED ORANGE [NEC 110	YSTEMS THE PHASE WITH HIGHER VO	OLTAGE	Solar
		ELECTRICAL EQUIPMENT WILL BE PROVIDED AS PER SECTION NEC 110.26.		END OF THE BUS FROM 1	THE UTILITY SOURCE (DCPD [NEC 705.12	(B)(2)(3)]. 2.7.9	.9 E	ELECTRICAL WIRES IN TRENCH	SHALL BE AT LEAST 18IN. BELOW	GRADE	GAIRID
	2.2.1	EQUIPMENT LOCATIONS	2.5.5	AT MULTIPLE ELECTRIC RATING OF ALL OVERCU				(RESIDENTIAL).			e cocal & Tansited
	2.2.2 2.2.3	ALL EQUIPMEi∢T SHALL MEET MINIMUM SETBACKS AS REQUIRED BY NEC 110.26. WIRING SYSTEMS INSTALLED IN DIRECT SUNLIGHT MUST BE RATED FOR EXPECTED		BUSBAR. HOWEVER, 1	THE COMBINED OVE	RCURRENT DE						
		OPERATING TEMPERATURE AS SPECIFIED BY NEC 690.31 (A),(C) AND NEC TABLES 310.15 (B)(2)(A) AND 310.15 (B)(3)(C).	2.5.6	EXCLUDED ACCORDING FEEDER TAP INTERCON			TO NEC 705.12					CONTRACTOR
	2.2.3	JUNCTION AND PULL BOXES PERMITTED INSTALLED UNDER PV MODULES	2.5.7	(B)(2)(1) SUPPLY SIDE TAP INTEI	RCONNECTION ACCO		705 12 (A) WITH					SGE SOLAR
2	2.2.4	ADDITIONAL AC DISCONNECT(S) SHALL BE PROVIDED WHERE THE INVERTER IS NOT		SERVICE ENTRANCE CO	ONDUCTORS IN ACCOR	RDANCE WITH NE	C 230.42					
	2.2.5	WITHIN SIGHT OF THE AC SERVICING DISCONNECT. ALL EQUIPMENT SHALL BE INSTALLED ACCESSIBLE TO QUALIFIED PERSONNEL	2.5.8	BACKFEEDING BREAKER FROM ADDITIONAL FAST			PUT IS EXEMPT					PHONE: 508-377-4037
	2.2.6	ACCORDING TO NEC APPLICABLE CODES. ALL COMPONENTS ARE LISTED FOR THEIR PURPOSE AND RATED FOR OUTDOOR	2.6.1	DISCONNECTION AND ON								ADDRESS: 85 S BOW ST
	2.2.7		2.6.2	DISCONNECTING SWITCH	HES SHALL BE WIRED	SUCH THAT WHE						MILFORD, MA 01757
8	2.2.1	SETBACK REQUIREMENTS.		IS OPENED THE CONDU THE TERMINALS MARKED								HIC. NO.:
	2.3.1	STRUCTURAL NOTES:	2.6.3	DISCONNECTS TO BE A	CCESSIBLE TO QUAL							ELE. NO.: UNAUTHORIZED USE OF THIS
	2.3.2	RACKING SYSTEM & PV ARRAY WILL BE INSTALLED ACCORDING TO , CODE-COMPLIANT INSTALLATION MANUAL. TOP CLAMPS REQUIRE A	2.6.4	LOCKABLE, AND BE A VIS BOTH POSITIVE AND		DUCTORS ARE	UNGROUNDED.					DRAWING SET WITHOUT WRITTEN PERMISSION FROM CONTRACTOR IS IN
3		DESIGNATED SPACE RETWEEN MODULES AND BALLS MUST ALSO EXTEND A		THEREFORE BOTH MU ACCORDING TO NEC 690.		DISCONNECT	IS REQUIRED,					VIOLATION OF U.S. COPYRIGHT LAWS AND WILL BE SUBJECT TO CIVIL DAMAGES AND PROSECUTIONS.
		MINIMUM DISTANCE BEYOND EITHER EDGE OF THE ARRAY/SUBARRAY, ACCORDING TO RAIL MANUFACTURER'S INSTRUCTIONS.	2.6.5	ISOLATING DEVICES OF	R EQUIPMENT DISCO							
	2.3.3	JUNCTION BOX WILL BE INSTALLED PER MANUFACTURERS' SPECIFICATIONS.		INSTALLED IN CIRCUITS THE EQUIPMENT, OR WIT								NEW PV SYSTEM: 13.440 kV
	2.3.4	IT SHALL BE SEALED PER LOCAL REQUIREMENTS. ALL PV RELATED ATTACHMENTS TO BE SPACED NO GREATER THAN THE SPAN		EQUIPMENT DISCONNEC	TING MEANS SHALL	BE PERMITTED T	O BE REMOTE					DUPLEASE
		DISTANCE SPECIFIED BY THE RACKING MANUFACTURER.		FROM THE EQUIPMENT V BE REMOTELY OPERA								DECIDENCE
	2.4.1	GROUNDING NOTES:	2.6.6	ACCORDING TO NEC 690. PV SYSTEM CIRCUITS II								 RESIDENCE
	2.4.2	GROUNDING SYSTEM COMPONENTS SHALL BE LISTED FOR THEIR PURPOSE, AND 4 GROUNDING DEVICES EXPOSED TO THE ELEMENTS SHALL BE RATED FOR SUCH	2.0.0	RAPID SHUTDOWN FUNC	TION TO REDUCE SH	OCK HAZARD FO						275 LANGEN ROAD
	2.4.3	USE. PV SYSTEMS REQUIRE AN EQUIPMENT GROUNDING CONDUCTOR. ALL METAL 2	2.6.7	RESPONDERS IN ACCORI ALL OCPD RATINGS AND			EC 690.8, 690.9,					LANCASTER, MA 01523 APN: LANCM0290B0000L000
4		ELECTRICAL EQUIPMENT AND STRUCTURAL COMPONENTS BONDED TO GROUND, IN ACCORDANCE WITH 250,134 OR 250,136(A), ONLY THE DC CONDUCTORS ARE 2		AND 240. BOTH POSITIVE AND								AI N. LANCING2300000000000
		UNGROUNDED.	2.0.0	THEREFORE BOTH REQ	UIRE OVER-CURRENT							ENGINEER OF RECORD
		PV EQUIPMENT SHALL BE GROUNDED ACCORDING TO NEC 690.43 AND MINIMUM NEC TABLE 250.122.	2.6.9	NEC 240.21. (SEE EXCEPT IF REQUIRED BY AHJ, SYS		RC-FAULT CIRCU	T PROTECTION					
		METAL PARTS OF MODULE FRAMES, MODULE RACKING, AND ENCLOSURE CONSIDERED GROUNDED IN ACCORD WITH 250.134 AND 250.136(A).		ACCORDING TO NEC 690.								
	2.4.6	FACIL MODULE WILL BE ODOLINDED LIGING WEED ODOLINDING CLIDE AS SUOMN IN	2.7.1	WIRING & CONDUIT NOTES						0		
		USED, MODULE GROUNDING LUGS MUST BE INSTALLED AT THE SPECIFIED	2.7.2	ALL CONDUIT AND WIRE S					0			
		GROUNDING LUG HOLES PER THE MANUFACTURERS' INSTALLATION REQUIREMENTS.	. 7 0	REQUIREMENTS AND ARE	E NOT MEANT TO LIMIT	UP-SIZING.				NUTH OF MAL		
			2.7.3 2.7.4	ALL CONDUCTORS SIZED EXPOSED PV SOURCE (ALL USE WIRE		7.3	Screen		PAPER SIZE: 11" x 17" (ANSI B)
5	2.4.8	ANOTHER MODULE. GROUNDING AND BONDING CONDUCTORS. IF INSULATED. SHALL BE COLORED GREEN		LISTED AND IDENTIFIED MODULES WIRE LEADS					E B /	Wys A Part of the second secon		NOTES
		OR MARKED GREEN IF #4 AWG OR LARGER [NEC 250.119]		ACCORDING TO NEC 690.	.31 (A).				13	No. Soft		
		THE GROUNDING ELECTRODE SYSTEM COMPLIES WITH NEC 690.47 AND NEC 250.50 2 THROUGH 250.106. IF EXISTING SYSTEM IS INACCESSIBLE, OR INADEQUATE, A 2	2.7.6	PV WIRE BLACK WIRE MA MODULE WIRING SHALL E					U	STONAL ENGLA		www.greenlancer.com
		GROUNDING ELECTRODE SYSTEM PROVIDED ACCORDING TO NEC 250, NEC 690.47 2 AND AHJ.	2.7.7	ACCORDING TO NEC 2 COLORED OR MARKED AS		SYSTEMS DC	CONDUCTORS			TRANTING		DATE: 04.12.2022
-		DC PV ARRAYS SHALL BE PROVIDED WITH DC GROUND-FAULT PROTECTION MEETING THE REQUIREMENTS OF 690.41(B)(1) AND (2) TO REDUCE FIRE HAZARDS.		DC POSITIVE- RED, C	OR OTHER COLOR E	XCLUDING WHIT	E, GRAY AND		1	Signed 4-20-22		DESIGN BY: M.P.
				GREEN DC NEGATIVE- BLACK	COR OTHER COLOR	EXCLUDING WHI	re, gray and					CHECKED BY: M.M.
	2.5.1 2.5.2	INTERCONNECTION NOTES: LOAD-SIDE INTERCONNECTION SHALL BE IN ACCORDANCE WITH [NEC 2	70	GREEN .								REVISIONS
		705.12 (B)] THE SUM OF THE UTILITY OCPD AND INVERTER CONTINUOUS CUTPUT MAY	./.0	AC CONDUCTORS COLOR PHASE A OR L1- BLAC	ĸ							0.004.00
	2.3.3	THE SOM OF THE UTILITY OCPD AND INVERTER CONTINUOUS COTPOT MAY		PHASE B OR L2- RED,	OR OTHER CONVENTION		SE					G-001.00
		A B C		D		E		F		G H		(SHEET 2)
	3	3										





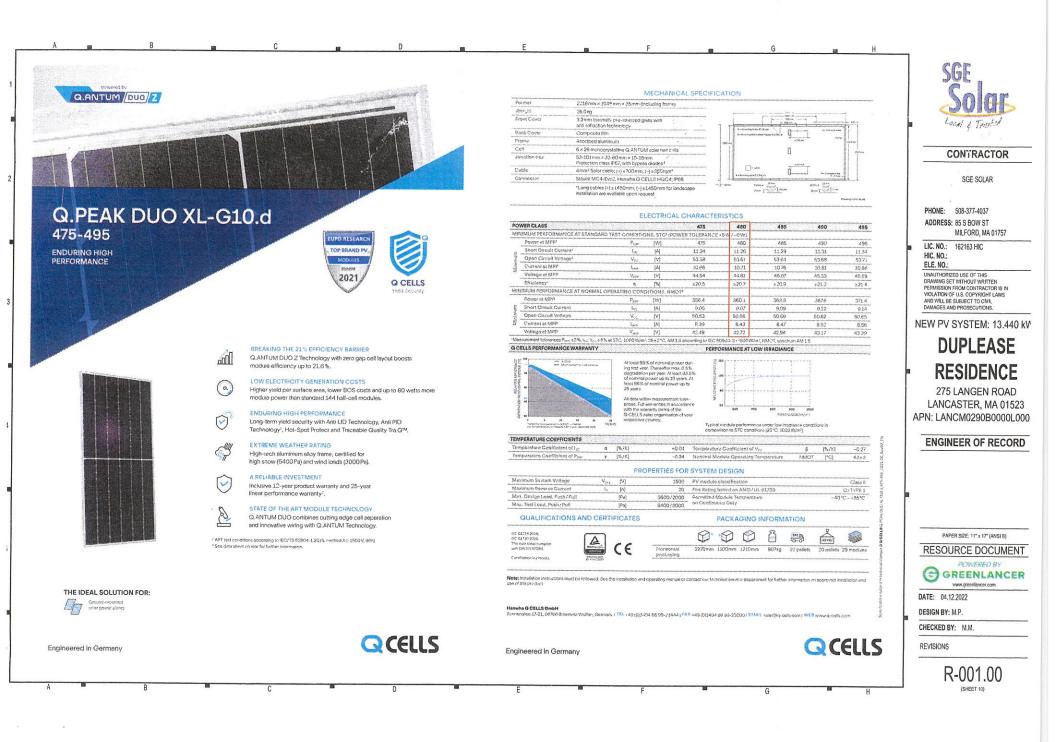






								-1 -2016r
	SYSTEM SUMMARY BRANCH #1 BRANCH #2	BRANCH #3 RFI	- 1				MODULES	
NVERTERS PER BRANCH	10 9	BRANCH #3 REI 9 PM1		LIANNAALIA	MAKE AND		PMAX PTC ISC IMP VOC VMP TEMP. COEFF. OF VOC FUSE RATING 1D 480 480W 447.1W 11.26A 10.71A 53.61V 44.81V -0.145V/i°C (-0.27%/i°C) 20A	Cocal & Trustea
MAX AC CURRENT	14.5A 13.05A	13.05A	20 20	TRUNINITA	U-GELLO (, PE)	AN DOU AL-GIU	10,11A 00,11V 440,11V 11,20A 10,11A 00,01V 44,01V 0,140E 0 (0,2770 0) 20A	-1
MAX AC OUTPUT POWER	3,660W 3,294W	3,294W						CONTRACTOR
ARRAY STC POWER	13,440W						INVERTERS	CONTRACTOR
ARRAY PTC POWER	12,519W	REI	F. QTY.		MAKE AND MOD	DEL	AC GROUND OCPD RATED MAX OUTPUT MAX INPUT MAX INPUT CEC WEIGHTED VOLTAGE EFFICIENCY	
MAX AC CURRENT MAX AC POWER	40.6A 10,248W	11-2	28 28	EN	IPHASE IQ8A-72	2-2-US	240V FLOATING 20A 349W 1.45A 15A 60V 97.5%	SGE SOLAR
ERATED (CEC) AC POWER	10,246W							-
	1018 1011				DISCO	ONNECTS	OCPDS	T DUDUC: 509 077 1007
		REI	F. QTY.	MAK	E AND MODEL		RATED CURRENT MAX RATED VOLTAGE REF. QTY. RATED CURRENT MAX VOLTAGE	PHONE: 508-377-4037
		SW	/1 1	EATON DO	222URB OR EQ	QUIV.	60A 240VAC CB1-3 3 20A 240VAC	ADDRESS: 85 S BOW ST MILFORD, MA 01757
		SW	12 1	EATON DO	2222NRB OR EQ	QUIV.	60A 240VAC CB4 1 10A 240VAC	
		ASH	RAE EXTREME LOW	-22.8	°C (-9.0°F), SOU	RCE: WORCES	TER REGIONAL ARPT (42.27°; -71.88°) F1-2 2 60A 240VAC	LIC. NO.: 162163 HIC
			SHRAE 2% HIGH				TER REGIONAL ARPT (42.27°; -71.88°)	HIC. NO.: ELE. NO.:
								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.
				ILL OF MA				NEW PV SYSTEM: 13.4
CATEGORY	MAKE	MODEL NUMBER	REF	QTY	UNIT	QTY/UNIT	DESCRIPTION	DUPLEASE
MODULE	HANWHA Q-CELLS ENPHASE	Q.PEAK DUO XL-G10.D 480 IQ8A-72-2-US	PM1-28	28	PIECES	1	HANWHA Q-CELLS Q.PEAK DUO XL-G10.D 480 480W 144 HALF-CELLS, MONOCRYSTALLINE SILICON ENPHASE IQ8A-72-2-US 349W INVERTER	
DISCONNECT	EATON	DG222URB	11-28 SW1	28	PIECES	1	ENPHASE IQ8A-72-2-US 349W INVERTER EATON DG222URB, NON FUSED, 2-POLE, 60A, 240VAC OR EQUIVALENT	- RESIDENC
DISCONNECT	EATON	DG2220RB	SW1	1	PIECE	1	EATON D62220RB, FUSED, 2-POLE, 60A, 240VAC OR EQUIVALENT	
PRODUCTION METER	GENERIC MANUFACTURER	GEN-METER-80A	M1	1	PIECE	1	ELECTRICAL METER, OWNER APPROVED	275 LANGEN ROA
MISC ELECTRICAL EQUIPMENT		GEN-CABLE-CLIP	HDWR31-171	140	PIECES	1	GENERIC CABLE CLIP	LANCASTER, MA 01
AC COMBINER PANEL		ENPHASE-IQ4-PANEL	EP1	1	PIECE	1	ENPHASE IQ COMBINER 4 (X-IQ-AM1-240-4)	
MONITORING		ENPHASE-ENVOY	ENV1	1	PIECE	1	ENPHASE ENVOY	APN: LANCM0290B0000
WIRING	ENPHASE ENPHASE	Q-12-20-200 Q-TERM-10	EN1-28 EN29	28	PIECES	1 10	ENPHASE ENGAGE (TM) TRUNK CABLE ENPHASE ENGAGE (TM) BRANCH TERMINATOR	
WIRING	ENPHASE	Q-SEAL-10	EN29 EN30	1	BUNDLE	10	ENPHASE ENGAGE (TM) BRANCH TERMINATOR	ENGINEER OF RECO
WIRING	CH ING	GEN-10-AWG-THWN-2-CU-RD	WR1	135	FEET	1	10 AWG THWN-2, COPPER, RED (LINE 1)	
WIRING		GEN-10-AWG-THWN-2-CU-BLK	WR1	135	FEET	1	10 AWG THWN-2, COPPER, BLACK (LINE 2)	11
WIRING		GEN-10-AWG-THWN-2-CU-GR	WR1	45	FEET	1	10 AWG THWN-2, COPPER, GREEN (GROUND)	
WIRING		GEN-6-AWG-THWN-2-CU-RD	WR3-5	30	FEET	1	6 AWG THWN-2, COPPER, RED (LINE 1)	μL
WIRING		GEN-6-AWG-THWN-2-CU-BLK	WR3-5	30	FEET	1	6 AWG THWN-2, COPPER, BLACK (LINE 2)	-1 P
		GEN-6-AWG-THWN-2-CU-WH GEN-6-AWG-THWN-2-CU-GR	WR3-5 WR2-5	30 190	FEET	1	6 AWG THWN-2, COPPER, WHITE (NEUTRAL) 6 AWG THWN-2, COPPER, GREEN (GROUND)	
WIRING		GEN-6-AWG-THWN-2-CU-GR	WR2-5 WR2	190	FEET	1	4 AWG THWN-2, COPPER, RED (LINE 1)	
WIRING WIRING		GEN-4-AWG-THWN-2-CU-BLK	WR2	160	FEET	1	4 AWG THWN-2, COPPER, BLACK (LINE 2)	PAPER SIZE: 11" x 17" (ANSI B)
WIRING	Contraction and the second		WR2	160	FEET	1	4 AWG THWN-2, COPPER, WHITE (NEUTRAL)	
WIRING WIRING WIRING		GEN-4-AWG-THWN-2-CU-WH		1	BUNDLE	5	ENPHASE ENGAGE (TM) ENGAGE COUPLER	DESIGN TABLES
WIRING WIRING WIRING WIRING WIRING WIREWAY	ENPHASE	ET-SPLK-05	EN6		FEET	1	EMT CONDUIT, 0.75" DIA	POWERED BY
WIRING WIRING WIRING WIRING WIRING WIREWAY WIREWAY	ENPHASE	ET-SPLK-05 GEN-EMT-0.75" DIA	WW1, 3-5	75			PVC-40 CONDUIT, 1" DIA	GREENLANC
Wiring Wiring Wiring Wiring Wiring Wireway Wireway Wireway		ET-SPLK-05 GEN-EMT-0.75" DIA GEN-PVC-40-1" DIA	WW1, 3-5 WW2	160	FEET	1	CIDCLIIT DDEAKED 20A 240VAC	www.greenlancer.com
WIRING WIRING WIRING WIRING WIREWAY WIREWAY WIREWAY WIREWAY OCPD	GENERIC MANUFACTURER	ET-SPLK-05 GEN-EMT-0.75" DIA GEN-PVC-40-1" DIA GEN-CB-20A-240VAC	WW1, 3-5 WW2 CB1-3	160 3	FEET PIECES	1	CIRCUIT BREAKER, 20A, 240VAC	the second se
WIRING WIRING WIRING WIRING WIREWAY WIREWAY WIREWAY OCPD OCPD	GENERIC MANUFACTURER GENERIC MANUFACTURER	ET-SPLK-05 GEN-EMT-0.75° DIA GEN-PVC-40-1° DIA GEN-CB-20A-240VAC GEN-CB-10A-240VAC	WW1, 3-5 WW2 CB1-3 CB4	160 3 1	FEET PIECES PIECE	1 1 1 1	CIRCUIT BREAKER, 10A, 240VAC	DATE: 04.12.2022
WIRING WIRING WIRING WIRING WIREWAY WIREWAY WIREWAY WIREWAY OCPD	GENERIC MANUFACTURER	ET-SPLK-05 GEN-EMT-0.75" DIA GEN-PVC-40-1" DIA GEN-CB-20A-240VAC	WW1, 3-5 WW2 CB1-3	160 3	FEET PIECES			-11
WIRING WIRING WIRING WIRING WIREWAY WIREWAY OCPD OCPD OCPD	GENERIC MANUFACTURER GENERIC MANUFACTURER GENERIC MANUFACTURER	ET-SPLK-05 GEN-EMT-0.75° DIA GEN-PVC-40-1° DIA GEN-CB-20A-240VAC GEN-CB-10A-240VAC GEN-FU-60A-240VAC	WW1, 3-5 WW2 CB1-3 CB4 F1-2	160 3 1 2	FEET PIECES PIECE PIECES	1	CIRCUIT BREAKER, 10A, 240VAC FUSE, 60A, 240VAC	DESIGN BY: M.P.
WIRING WIRING WIRING WIRING WIREWAY WIREWAY OCPD OCPD OCPD	GENERIC MANUFACTURER GENERIC MANUFACTURER GENERIC MANUFACTURER	ET-SPLK-05 GEN-EMT-0.75° DIA GEN-PVC-40-1° DIA GEN-CB-20A-240VAC GEN-CB-10A-240VAC GEN-FU-60A-240VAC	WW1, 3-5 WW2 CB1-3 CB4 F1-2	160 3 1 2	FEET PIECES PIECE PIECES	1	CIRCUIT BREAKER, 10A, 240VAC FUSE, 60A, 240VAC	-11
WIRING WIRING WIRING WIRING WIREWAY WIREWAY OCPD OCPD OCPD	GENERIC MANUFACTURER GENERIC MANUFACTURER GENERIC MANUFACTURER	ET-SPLK-05 GEN-EMT-0.75° DIA GEN-PVC-40-1° DIA GEN-CB-20A-240VAC GEN-CB-10A-240VAC GEN-FU-60A-240VAC	WW1, 3-5 WW2 CB1-3 CB4 F1-2	160 3 1 2	FEET PIECES PIECE PIECES	1	CIRCUIT BREAKER, 10A, 240VAC FUSE, 60A, 240VAC	DESIGN BY: M.P. CHECKED BY: M.M.
WIRING WIRING WIRING WIRING WIREWAY WIREWAY OCPD OCPD OCPD	GENERIC MANUFACTURER GENERIC MANUFACTURER GENERIC MANUFACTURER	ET-SPLK-05 GEN-EMT-0.75° DIA GEN-PVC-40-1° DIA GEN-CB-20A-240VAC GEN-CB-10A-240VAC GEN-FU-60A-240VAC	WW1, 3-5 WW2 CB1-3 CB4 F1-2	160 3 1 2	FEET PIECES PIECE PIECES	1	CIRCUIT BREAKER, 10A, 240VAC FUSE, 60A, 240VAC	DESIGN BY: M.P.
WIRING WIRING WIRING WIRING WIREWAY WIREWAY OCPD OCPD OCPD	GENERIC MANUFACTURER GENERIC MANUFACTURER GENERIC MANUFACTURER	ET-SPLK-05 GEN-EMT-0.75° DIA GEN-PVC-40-1° DIA GEN-CB-20A-240VAC GEN-CB-10A-240VAC GEN-FU-60A-240VAC	WW1, 3-5 WW2 CB1-3 CB4 F1-2	160 3 1 2	FEET PIECES PIECE PIECES	1	CIRCUIT BREAKER, 10A, 240VAC FUSE, 60A, 240VAC	DESIGN BY: M.P. CHECKED BY: M.M.
WIRING WIRING WIRING WIRING WIREWAY WIREWAY OCPD OCPD OCPD	GENERIC MANUFACTURER GENERIC MANUFACTURER GENERIC MANUFACTURER	ET-SPLK-05 GEN-EMT-0.75° DIA GEN-PVC-40-1° DIA GEN-CB-20A-240VAC GEN-CB-10A-240VAC GEN-FU-60A-240VAC	WW1, 3-5 WW2 CB1-3 CB4 F1-2	160 3 1 2	FEET PIECES PIECE PIECES	1	CIRCUIT BREAKER, 10A, 240VAC FUSE, 60A, 240VAC	DESIGN BY: M.P. CHECKED BY: M.M.

0 **!CAUTION!** sgi POWER TO THIS BUILDING IS ALSO SUPPLIED FROM GROUND MOUNTED SOLAR ARRAYS LABELING NOTES 1.1 LABELING REQUIREMENTS BASED ON THE 2020 NATIONAL ELECTRICAL CODE. WITH SAFETY DISCONNECTS AS SHOWN: INTERNATIONAL FIRE CODE 605.11, OSHA STANDARD 1910.145, ANSI Z535 1.2 MATERIAL BASED ON THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION CONTRACTOR 1.3 LABELS TO BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. 1.4 LABELS TO BE A MINIMUM LETTER HEIGHT OF 3/8" AND PERMANENTLY AFFIXED. SGE SOLAR 1.5 ALERTING WORDS TO BE COLOR CODED. "DANGER" WILL HAVE RED. BACKGROUND; "WARNING" WILL HAVE ORANGE BACKGROUND; "CAUTION" WILL HAVE YELLOW BACKGROUND, JANSI Z5351 PHONE: 508-377-4037 PV ARRAY ADDRESS: 85 S BOW ST WARNING INTERACTIVE PHOTOVOLTAIC SYSTEM CONNECTED MILFORD, MA 01757 **RAPID SHUTDOWN** BACK FRONT PHOTOVOLTAIC SYSTEM DISCONNECT LOCATED ELECTRICAL SHOCK HAZARD LIC. NO .: 162163 HIC SOUTH SIDE OF THE HOUSE SWITCH FOR TERMINALS ON THE LINE AND HIC. NO .: DIRECTORY ELE. NO .: SOLAR PV SYSTEM LOAD SIDES MAY BE ENERGIZED PERMANENT PLAQUE OR DIRECTORY PROVIDING THE LOCATION OF THE SERVICE UNAUTHORIZED USE OF THIS Π IN THE OPEN POSITION MAIN DISTRIBUTION DISCONNECTING MEANS AND THE PHOTOVOLTAIC SYSTEM DISCONNECTING DRAWING SET WITHOUT WRITTEN PERMISSION FROM CONTRACTOR IS IN VIOLATION OF U.S. COPYRIGHT LAWS UTILITY DISCONNECT LABEL 1 LABEL 5 MEANS IF NOT IN THE SAME LOCATION (5 3/4" X 1 1/8"). AT EACH DISCONNECTING MEANS FOR AT RAPID SHUTDOWN DISCONNECT SWITCH (5 1/4" X 2"). [NEC 690.56(B)] AND WILL BE SUBJECT TO CIVIL A PHOTOVOLTAIC EQUIPMENT (2" X 4"). DAMAGES AND PROSECUTIONS. [NEC 690.56(C)(3)]. WHERE THE PV SYSTEMS ARE REMOTELY LOCATED FROM EACH OTHER, A [NEC 690.13]. DIRECTORY IN ACCORDANCE WITH 705.10 SHALL BE PROVIDED AT EACH PV NEW PV SYSTEM: 13,440 kV SYSTEM DISCONNECTING MEANS. WARNING PV SYSTEM EQUIPMENT AND DISCONNECTING MEANS SHALL NOT BE INSTALLED IN 0 DUPLEASE BATHROOMS POWER SOURCE [NEC 690.4(D),(E)] SOLAR PV SYSTEM OUTPUT CONNECTION RESIDENCE EQUIPPED WITH DO NOT RELOCATE THIS PHOTOVOLTAIC POWER SOURCE OVERCURRENT DEVICE **RAPID SHUTDOWN** 275 LANGEN ROAD LABEL 2 LANCASTER, MA 01523 AT POINT OF INTERCONNECTION LABEL 9 APN: LANCM0290B0000L000 OVERCURRENT DEVICE (2" X 4"). AT EXPOSED RACEWAYS, CABLE TRAYS, AND OTHER WIRING OLAR ELECTRIC [NEC 705.12(B)(2)(3)(B)]. METHODS; SPACED AT MAXIMUM 10 FT SECTION OR WHERE PV PANELS SEPARATED BY ENCLOSURES, WALLS, PARTITIONS, CEILINGS, ENGINEER OF RECORD AC DISCONNECT OR FLOORS (5 3/4" X 1 1/8") [NEC 690 31(G)] PHOTOVOLTAIC SYSTEM LETTERS AT LEAST 3/8 INCH; WHITE ON RED BACKGROUND; POWER SOURCE TURN RAPID SHUTDOWN SWITCH TO REFLECTIVE RATED AC THE "OFF" POSITION TO SHUT DOWN [IFC 605.11.1.1] 40.6 AMPS OUTPUT CURRENT PV SYSTEM AND REDUCE SHOCK NOMINAL OPERATING HAZARD IN ARRAY **ACAUTION** 240 VOLTS AC VOLTAGE LABEL 6 SOLAR ELECTRIC SYSTEM CONNECTED LABEL 3 AT RAPID SHUTDOWN SYSTEM AT POINT OF INTERCONNECTION, MARKED PAPER SIZE: 11" x 17" (ANSI B) (3 3/4" X 5 1/4"), INEC 690,56(C)(1)(A)), AT DISCONNECTING MEANS (4" X 3"). LABEL 10 PLACARDS [NEC 690.54] AT UTILITY METER (5 3/4" X 1 1/8") WARNING [NEC 690.56(B)] POWERED BY DUAL POWER SUPPLY PHOTOVOLTAIC SYSTEM WARNING GREENLANCER 0 SOURCES: UTILITY GRID SOLAR ELECTRIC DISCONNECT www.greenlancer.com AND PV SOLAR CIRCUIT BREAKER ELECTRIC SYSTEM IS BACKFED DATE: 04.12.2022 LABEL 4 LABEL 8 LABEL 7 AT POINT OF INTERCONNECTION DESIGN BY: M.P. AT EACH AC DISCONNECTING MEANS AT POINT OF INTERCONNECTION (4" X 15) (2" X 1") (2 3/4" X 1 5/8"). CHECKED BY: M.M. [NEC 690.13(B)]. [NEC 705.12(B)(3)] [NEC 705.12(B)(3)] REVISIONS E-603.00 R D



ENPHASE.



Easy to install

· Lightweight and compact with

plug-n-play connectors

· Power Line Communication

(PLC) between components

· Faster installation with simple

High productivity and reliability

· More than one million cumulative

 Produce power even when the grid is down

two-wire cabling

hours of testing

Microgrid-forming

- Complies with the latest

advanced grid support

range of grid profiles

requirements

· Remote automatic updates for

the latest grid requirements

· Configurable to support a wide

· Meets CA Rule 21 (UL 1741-SA)

D

enclosure

· Class II double-insulated

 Optimized for the latest highpowered PV modules

IQ8M and IQ8A Microinverters

Our newest IQ8 Microinverters are the industry's first microgrid-forming, softwaredefined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently. The brain of the semiconductor-based microinverter is our proprietary application-specific integrated circuit (ASIC) which enables the microinverter to operate in grid-tied or off-grid modes. This chip is built in advanced 55mm technology with high speed digital logic and has super-fast response times to changing loads and grid events, alleviating constraints on battery sizing for home energy systems.

IQ8 Series Microinverters redefing reliability

standards with more than one million cumulative hours of power-on testing.

enabling an Industry-leading limited war

ICI8 Series Microinverters are UL Listed as

according to manufacturer's instructions.

PV Rapid Shut Down Equipment and conform with various regulations, when installed

of up to 25 years.

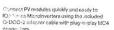
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CERTIFIED



Part of the Enphase Energy System, IQ8 Series Microinverters integrate with the Enphase IQ Battery, Enphase IO Gateway, and the Enphase App monitoring and analysis software.





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R

IO8MA-D3-0003-01-EN-U3-2021-10-19

DATA SHEET

IQ8M and IQ8A Microinverters

Commonly used module pairings ¹	Ÿ	108H-72-2-05 260 - 460		1084-72-2-03
Module compatibility			ali/120 half-cell and 72-celt/14/	
MPPT voltage range		33 - 45	#/120 nati-celland /2-cell/14/	
Operating range	12	30 - 40	25 - 58	36-45
Min/max start voltage	¥ .			
Max input DC voltage			30758	
Max DC current? [module tsg]			60 15	
Overvoltage class DC port	6			
DC port backleed ourrent	РА		Ħ	
PV array configuration			Ø	
OUTPUT DATA (AL)	ixi Un		+protection required; AC side p	protection requires max 20A per branch circ
Pask putput power	Va	IŲEM-72-2-US		1084-72-2-05
		330		366
Max continuous output power	VA	325		349
Nominal (L-L) voltage/range ³	*		240 / 211-264	
Max continuous output current	A	1.35		1.45
Nominal frequency	H2		60	
Extended frequency range	Hz		50-68	
Max units per 20 A (L-L) branch circuit	•		11	
Total harmonic distortion			<5%	
Overvoltage class AC port			68	
AC port backfeed current	mA		30	
Power factor setting			1.0	
Grid-tied power factor (adjustable)			0.85 leading ~ 0.85 lagging	
Peak efficiency	%	97.6		07.6
CEC weighted efficiency	\$	97		97.5
Night-time power consumption	mWZ		60	
NECHANICAL DATA				Particular Property of
Ambient temperature range			40°C to +60°C (-40°F to +140*	PF)
Relative humidity range			4% to 100% (condensing)	
DC Connector type			MC4	
Dimensions (HxWxD)		212 mm	1 (8.3*) x 175 mm (6.9") x 30.2 m	nm (1.2")
Weight			1.08 kg (2.38 lbs)	
Cooling			Natural convection - no fans	
Approved for wet locations			Yes	
Acoustic noise at 1 m			<80 dBA	
Pollution degree			PD3	
Enclosure		Class II double-in	sulated, corrosion resistant pol	Ivmeric enclasure
Environ, category / UV exposure rating			NEMA Type 6 / outdoor	
COMPLIANCE				
	C& Rids 21	AR 1745-SA) IR 65000-1 In STATUTES	ISAT ECO Dart IS Class D 1000	-0003 Class B. CAN/CSA-C22.2 NO. 107.1-
Continuitor				
Certifications	690.12 and	of is UL Listed as PV Rapid Shut Down C22.1-2013 Rule (-1-218 Rapid Shutdi ren's Instructio	Equipment and conforms with ave of PV Systems, for AC and I	NEC 2014, NEC 2017, and NEC 2029 section DC conductors, when installed according to
(I) No enforced DC/AC ratio. See the com	patibility calculate	r at https://link.ec.phase.com/		
module- non-phillulaty (2) Maximum comin	clours input DC cur	rent is 10.6A (3) Nominal voltano		2
lange can be ext. Iden Leyonu non-inel L local requirements to define the number o	require 1 by the util I microinverters pe	lity. (4) Limits may very Refer to ar branch in your area.		IQBMA-DS-0003-01-EN-US-202

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RESIDENCE

275 LANGEN ROAD LANCASTER, MA 01523 APN: LANCM0290B0000L000



PAPER SIZE: 11" x 17" (ANSI B)	
RESOURCE DOCUMENT	-

www.greenlancer.com

DATE: 04.12.2022

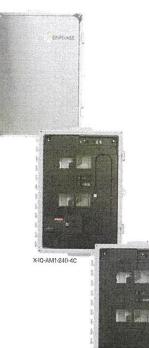
DESIGN BY: M.P. CHECKED BY: M.M.

REVISIONS

R-002.00

Data Sheet Enphase Networking ي في الم

Enphase IQ Combiner 4/4C X-IQ-AM1-240-4 X-IQ-AM1-240-4C



X-1Q-AM1-240-4

R

To learn more about Enphase offerings, visit enphase.com

(YL)

LISTED

The Enphase IQ Combiner 4/4C with Enphase IQ Gateway and integrated LTE-M1 cell modem (included only with IQ Combiner 4C) consolidates interconnection equipment into a single enclosure and streamlines IO microinverters and storage installations by providing a consistent, pre-wired solution for residential applications. It offers up to four 2-pole input circuits and Eaton BR series busbar assembly.

Smart

- · Includes IQ Gateway for communication and control Includes Enphase Mobile Connect cellular modern (CELLMODEM-M1-06-SP-05), included only with IQ Combiner 4C
- · Includes solar shield to match Enphase IQ Battery aesthetics and deflect heat
- · Flexible networking supports Wi-Fi, Ethernet, or cellular
- · Optional AC receptacle available for PLC bridge
- · Provides production metering and consumption monitoring

Simple

- · Centered mounting brackets support single
- stud mounting · Supports bottom, back and side conduit entry
- · Up to four 2-pole branch circuits for 240 VAC
- plug-in breakers (not included) · 80A total PV or storage branch circuits

Reliable

- · Durable NRTL-certified NEMA type 3R enclosure
- · Five-year limited warranty
- · Two years labor reimbursement program coverage
- included for both the IQ Combiner SKU's UL listed
 - **ENPHASE**

MODEL NUMBER			
iD Combiner 3 (XIQ-AM1/240-4)	R0 Combinus 4 with Englisse F3 Gateware printed current boards for integrated memory grade PV production matering (ArcP C12.20 + 20.5%) and constitution matering (ArcP C2.27%). Includen a silver colar sheet to notice the IQ Battary evenant and OS mice a controller 2 work of different hard.	Local & Tousted	
IQ Combiner 4C (X-IQ-AM1-240-4C)	10 Cumbiner 4C with Enghance IQ Gateway printed circuit board for integrated revenue grade PV production matering (ANIS 072,20+4-0 53) and consumption monitoring (+2 - 253). Includes Enghans Mobile Connect cultular modern (CELLMODEX-M1-06 SP-05), a plug-and-play industrial-grade cell modern for severems up to 60 microinvertens (Amiliable in US, Clanada, Mexico, Purto Rico, and the US Virgin Islanda, where Here is a disquare callular service in Available in US, Clanada, Mexico, Purto Rico, and the US Virgin Islanda, where Here is a disquare callular service in a service in the US. Clanada Mexico.	CONTRACTOR	
	the installation area) includes a silver solar shield to match the IQ Battery and IO System Controller, and to deflect heat		
ACCESSORIES AND REPLACEMENT PARTS	(not included, order separately)	205 201 45	
Ensemble Communications Kit COMMS-CELLINDERA An-op CELLINDERA M1-05-29-05 CELLINDERA M1-05-A1-05	-Ineniades COMMS-NIT01 and CELLMODEM-MT-06-SP-05 with 5-year Sprist data plan for Ensamble safets - 46 based LTC-MT catalogr modem with 5-year digent data plan - 46 based LTC-MT catalogr modem with 5-year ATC 1 data plan	SGE SOLAR	
Circuit Breakers BRX-15A-2:240V BRX-15A-2:240V BRX-25A-22-240V BRX-20A-2:2-240V-B BRX-20A-2:2-240V-B BRX-20A-2:2-240V-B	Supports Entron 987210, 88235, 88230, 88230, 98240, 98240, 98250, and 887260 chrouit breakers. Circuit breaker, 2 point, 15A, Enton 98210 Circuit breaker, 2 point, 15A, Enton 98215 Circuit breaker, 2 point, 21A, Enton 982216 Circuit breaker, 2 point, 21A, Enton 982218 with hold down kit support Circuit breaker, 2 point, 21A, Enton 982208 with hold down kit support	PHONE: 508-377-4037 ADDRESS: 85 S BOW ST MILFORD, MA 01757	
EPLC-01	Poster line carrier (contribution bridge pair), quantity - one pair	LIC. NO.: 162163 HIC	
XA-SOLARSHIELD-ES	Replacement solar shield for IQ Combiner 4/4C	HIC. NO.: ELE. NO.:	
XA-PEUG-126-3	Accessory receptacle for Power Line Center in (C Cemberer 47/C pressure for EPLC-01)	UNAUTHORIZED USE OF THIS	
XA-ENV-PCBA-S	Replacement ID Gateway printed circuit board (PCB) for Combiner 4/4C	DRAWING SET WITHOUT WRITTEN	
X40-NA-H0-125A	Hold down kit for Eaton circuit breaker with screws.	PERMISSION FROM CONTRACTOR IS IN VIOLATION OF U.S. COPYRIGHT LAWS	
ELECTRICAL SPECIFICATIONS		AND WILL BE SUBJECT TO CIVIL DAMAGES AND PROSECUTIONS.	
Relation	Continuous duty		
System voltage	T20/240 VAC, 60 Hz	NEW PV SYSTEM: 13.440 kV	
Eaton Bit nories busbur rating	1254	DUDIEAOE	
Max. continuous current rating	65 A	DUPLEASE	
Mits, continuous content rating (logud from FV/storage)	83 A		
Max, fuse/circuit rating (output) Branch circuits (soler and/or storand)	90 A	RESIDENCE	
Contraction of the State of the	Un to four 2-pole Eaten BR sense Distributed Generation (DG) braskers only (not included)	LOIDENCE	
Max, total branch circuit breaker railing (input) Proditiction metering CT	BOA of distributed generation / 95A with IQ Gateway breaker included 200 A could core pre-installed and whed to IQ Gateway	275 LANGEN ROAD	
Consumption monitoring CT (CT-200-SPLIT)	A pair of 200 A split core current transformers	LANCASTER, MA 01523	
MECHANICAL DATA	A pan or 200 A spin core current ransformers	APN: LANCM0290B0000L000	
Dimensions (Wallad)	37 5 x 49 5 x 16 8 cm (16 75° x 19 5° x 0 63°). Height is 21.06° (53 5 cm) with mounting brackets.	AFN. LANCINU290B0000L000	
Veicht	7.5 kg (16.5 lbs)		
Unitern temperature range	-40° C 10 +40° C (-40° 10 115° F).	ENGINEER OF RECORD	
Cooling	Natural convection, plus heat shield		
acidence environmental rainq	Outdow, MCIL cartified, NEMA type 30, proyearbongte construction		
Vire sizes	20 A to 50 A breaker inputs* 14 to A WG cooperations conductors 40 A breaker inputs* 14 to A WG cooper conductors 40 A breaker inputs* 4 to 170 AWG cooper conductors Main lug control 14 to 170 cooper conductors Neutrin and ground* 14 to 170 cooper conductors Neutrin and ground* 14 to 170 cooper conductors Neutrin and social code cooperiments for conductors sizing,	•	

Alutude To 2000 meters (6,560 feat) INTERNET CONNECTION OPTIONS Integrated Wi-Fi £02 11b/g/n Cellular CELLMODEM-M1-06-SP-05, CELLMODEM-M1-06-AT-05 (4G based LTE-M1 cellular modern). Note that an Enphase Mobile Connect cellular on is required for all En Ethernet Optional, 902 3, Get5E (or Cat 6) UTP Ethernet ceble (not included) COMPLIANCE Compliance, IO Combin UL 1741, CAN/CSA C22,2 No. 1071, 47 CFR, Part 15, Class B, ICES 005

Production matering: ANSI G12.20 accuracy class 0.5 (PV production) Consumption matering: accuracy class 2.5 Compliance, IO Gateway UL 60501-1/CANOSA 22.2 No. 61010-1

To learn more about Enphase offerings, visit enphase.com © 2021 Enginese Energy, All rights reserved. Enginese, the Explose logo, IQ Complier 4/4C, and other names are trademarks of Enginese Energy, Inc. Data subject to change. 10-21-021

ENPHASE.

R-003.00 (SHEET 12)

SGF

PAPER SIZE: 11" x 17" (ANSI B)

RESOURCE DOCUMENT

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www.greenlancer.com

DATE: 04.12.2022

CHECKED BY: M.M.

DESIGN BY: M.P.

REVISIONS

SUNMODI **GO BIG ON TURF**

SunTurf[™] Ground Mount System

SunModo offers

the next generation

mount solution.

Ground Mount System

with SunTurf™. The streamlined

design combines the strength of

Helio Rails with steel pipes to

installers looking for a durable

and a start of the

and cost-effective system that

create the perfect ground

SurTurf[™] is ideal for solar

can accommodate a wide

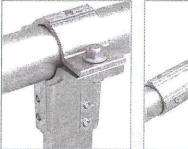
variety of soil conditions.

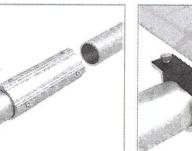
The SunTurf™ Ground Mount Advantage

- Easily scalable from kilowatts to multimegawatts PV Arrays.
- ✓ Foundation design solution for every soil condition.
- ✓ Online configuration tool available to streamline design process.
- ✓ Components optimized for strength, durability and fast installation.
- ✓ UL 2703 Listed by Intertek.

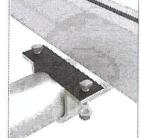
Key Features of SunTurf™ Ground Mount System

required to attach the aluminum rails to the horizontal pipe. Optional bracing can provide additional structural rigidity for sites with high snow or wind load conditions. Anchor any ground mount installation using









SUNMODI

Augers and Ground Screws

Our augers are suitable for use in weak to moderate strength soils and areas with a high-water table. Our ground screws are ideal for use in hard packed earth or soils with large amounts of cobble and gravel.





Technical Data Ground Mount Application Material High grade aluminum, galvanized steel and 304 stainless steel hardware Module Orientation Portrait and Landscape **Till Angle** Range between 10 to 50 decrees Foundation Types Post in concrete, helical earth auger, ground screw anchor and ballast Structural Integrity Stamped engineering letters available Certificate UL2703 listed by ETL Warranty 25 years

SunMado, Carp. Vancouver, WA., USA . www.sunmodo.com . 360.844.0048 . info@sunmodo.com



CONTRACTOR

SGE SOLAR

PHONE: 508-377-4037 ADDRESS: 85 S BOW ST MILFORD, MA 01757

LIC. NO .: 162163 HIC

HIC. NO .: ELE. NO .:

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.

NEW PV SYSTEM: 13,440 kV

DUPLEASE RESIDENCE

275 LANGEN ROAD LANCASTER, MA 01523 APN: LANCM0290B0000L000

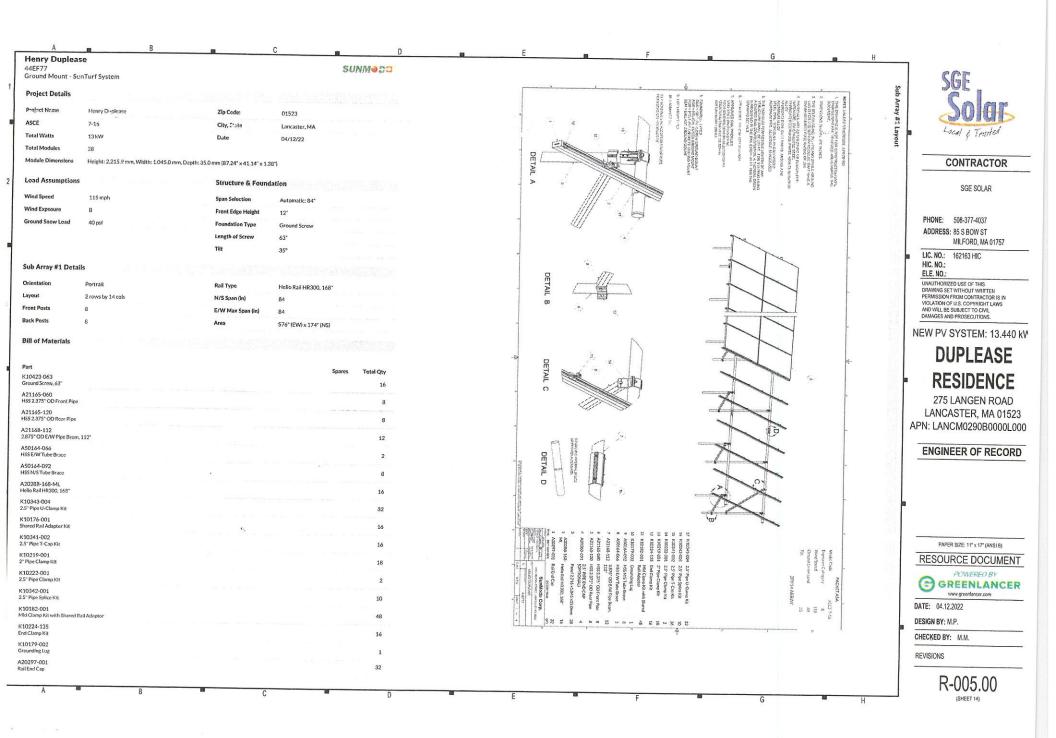
ENGINEER OF RECORD

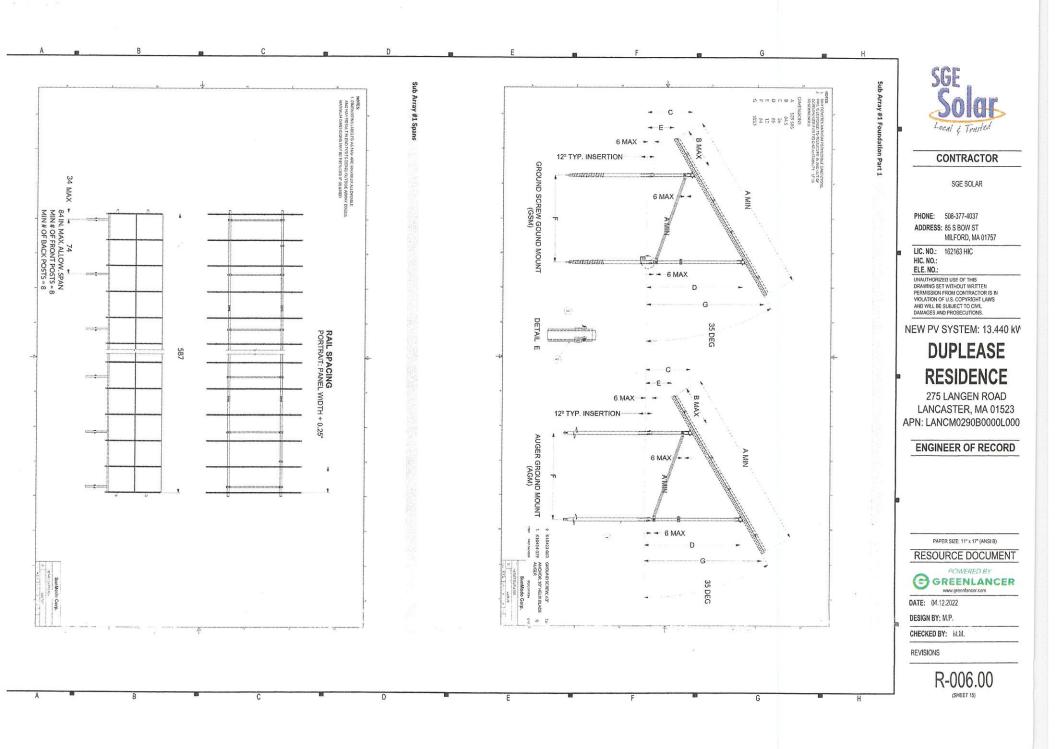
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CHECKED BY: M.M.















Rob Motes <rmotes@sgegroup.com>

00423213 1332151006 275 LANGEN RD LANCASTER MA : Conditional Approval to Interconnect

1 message

'Customer Application Portal' via Operations <operations@sgegroup.com> Reply-To: Customer Application Portal <cap@nationalgrid.com>

Mon, Apr 18, 2022 at 11:22 AM

To: "hduplease@aol.com" <hduplease@aol.com>, "operations@sgegroup.com" <operations@sgegroup.com>

Ref: 5006T00001wPTOVQA4



Greetings,

Your Simplified Interconnection Application:00423213 has been conditionally approved for construction, meaning that you are authorized to construct and test the new system, but not to leave it online. National Grid will provide an "Authority to Interconnect" letter only after all requirements and standards, as detailed below, have been met, and after your standard meter has been replaced with a bi-directional net meter. This is especially important, as operating a generation system behind a standard meter may cause billing errors.

***This Conditional Approval is not authorization to perform a service upgrade, service relocation, parallel service, or service drop replacement. Any modification to the existing service will require approval under a separate work order and is subject to existing ESB requirements.

***A bi-directional meter MAY be set at your location per our discretion once Conditional Approvat has been issued but you are not authorized to operate your system until National Grid has provide an "Authority to Interconnect" letter. The bi-directional meter may be in place but it will not bill correctly until the "Authority to Interconnect" has been issued.

Please use the Simplified Checklist to ensure that you provide all necessary documentation. *Note: The project completion documentation on the checklist may need to be submitted at different times.* Any documents not attached to this email are available at http://www.nationalgridus.com/narragansett/home/energyeff/4_interconnection-documents.asp. ****Any permanent plaques must be suitable for the environment in which they are located and rated to last for the lifetime of the generation equipment. **NO STICKERS** of any type will be accepted as permanent plaques for equipment that is located outside.

For you records: Please find attached a scanned copy of the approved Simplified Interconnection Application (SIA) and Service Agreement (and Exhibit H if applicable) for your generator installation.

For technical requirements: The National Grid's Electric System Bulletin ESB756 "Requirements for Parallel Generation Connected to a National Grid-Owned EPS" applies to this distributed generation system. In Rhode Island, Appendix D of ESB756 should be referenced for all distributed generation projects that operate in parallel with National Grid's EPS.

Note about Qualifying Facilities: While the Company is required to purchase output from a customer-owned generator as a Qualifying Facility (QF), the price the Company is authorized to pay is the hourly wholesale clearing price at the ISO-NE. Unlike net-metering, where a customer can assign credits to other customers, or 'bank' excess power over a billing month, payments for QFs are calculated for every hour there is export back to the Company's system. Customers receiving payments as a QF are not able to transfer these payments to other accounts. It is important Customers understand how their electric usage profile compares to their proposed generation profile in order to properly assess the particular economics of any installation. Please refer to the below links on the ISO-NE website for further information: http://www.iso-ne.com/markets/hrly_data/index.html.

Note about Witness Testing: National Grid reserves the right to request a witness test before the Authorization to

https://mail.google.com/mail/u/0/?ik=d1166191ed&view=pt&search=all&permthid=thread-f%3A1730460100118436714&simpl=msg-f%3A17304601001... 1/2

4/18/22, 11:45 AM

Interconnect is granted.

Once all other items have been satisfactorily completed, National Grid will request the installation of a new meter (if applicable). A new meter installation could take up to three weeks for installation after all documentation is provided. Then, National Grid will provide the Interconnecting Customer with the Authorization to Interconnect (after the new meter has been installed). In order to help facilitate the timely installation of your bi-directional net meter (after all other requirements are met), please notify National Grid of any changes to your anticipated online date.

***A bi-directional meter MAY be set at your location per our discretion once Conditional Approval has been issued but you are not authorized to operate your system until National Grid has provide an "Authority to Interconnect" letter. The bi-directional meter may be in place but it will not bill correctly until the "Authority to Interconnect" has been issued.

If anything changes with the project please let me know. All communications to National Grid should be sent to me, with a copy to Distributed.Generation@nationalgrid.com.

Thank you and best of luck with the construction of your new system.

Regards, Distributed Generation nationalgrid 40 Sylvan Rd, Waltham, MA 02451-1120 Distributed.Generation@NationalGrid.com Please select the appropriate link below for the latest information on: Interconnection Standards - MA, RI Net Metering - MA, RI Wholesale Energy Procurements

Signed Service Agreement.pdf



TOWN OF LANCASTER BOARD OF ASSESSORS



Request for Certified Abutters List

SUBJECT PARCEL:	ADDRESS: 275 LANGEN Rd				
	MAP: 29 PARCEL: 0 09 -000 8.0				
	CURRENT OWNER: Here Doplease Cruing trust				
REQUESTER'S NAME:	NAME: Menvay DupleAse				
	MAILING ADDRESS: POBOK 391				
	CITY: LANCASTON STATEMA ZIP: 01523				
	PHONE#: 9783657689				
INTENDED USE:	CHECK APPROPRIATE BOX				
	BOARD OF APPEALS (ZONING) CONSERVATION BOARD OF HEALTH PLANNING BOARD BOARD OF SELECTMEN OTHER:				
CERTIFIED LIST SHOULD BE: CHECK APPROPRIATE BOX					
	EMAIL TO:				
5/23/2017	Stubs 162 1				

DATE OF REQUEST

SIGNATURE OF REQUESTER

PLEASE ALLOW A MINIMUM OF 2 WORKING DAYS FROM REQUEST DATE FOR COMPLETED CERTIFIED LIST



300 foot Abutters List Report Lancaster, MA May 23, 2022

Subject Property:

Parcel Number: CAMA Number: Property Address:	029-0008.0 029-0008.0 275 LANGEN RD	Mailing Address:	DUPLEASE HENRY F & SANDRA TRS DUPLEASE LIVING TRU PO BOX 391 LANCASTER, MA 01523
Abutters:			MMM-1
Parcel Number: CAMA Number: Property Address:	029-0001.A 029-0001.A 290 LANGEN RD	Mailing Address:	W P SPRATT CORP PO BOX 65 BOLTON, MA 01740
Parcel Number: CAMA Number: Property Address:	029-0001.B 029-0001.B 240 LANGEN RD	Mailing Address:	SPRATT WILLIAM P & DAWN C 240 LANGEN RD LANCASTER, MA 01523
Parcel Number: CAMA Number: Property Address:	029-0002.0 029-0002.0 0 LANGEN RD	Mailing Address:	NEW ENGLAND FORESTRY FOUNDATION INC PO BOX 1346 32 FORSTER ST LITTLETON, MA 01460-4360
Parcel Number: CAMA Number: Property Address:	029-0006.0 029-0006.0 341 LANGEN RD	Mailing Address:	DIENER JOCELYN TR JORDAN IRREV TRUST 341 LANGEN RD LANCASTER, MA 01523
Parcel Number: CAMA Number: Property Address:	029-0007.0 029-0007.0 309 LANGEN RD	Mailing Address:	MINER PAULA A TR LUZZETTI FAMILY TRU C/O LUZZETTI ANTHONY J & ELAINE M 309 LANGEN RD LANCASTER, MA 01523
Parcel Number: CAMA Number: Property Address:	029-0014.0 029-0014.0 0 LANGEN RD	Mailing Address:	FULLER ANN P STADTHERR DAVID K 185 LANGEN RD LANCASTER, MA 01523
Parcel Number: CAMA Number: Property Address:	029-0014.A 029-0014.A 245 LANGEN RD	Mailing Address:	STADTHERR DAVID K & SHARON M 245 LANGEN RD LANCASTER, MA 01523

CERTIFIED COPY

- a Sanders

Debra A Sanders, Member Lancaster Board of Assessors May 24, 2022 I page

CAN Technologies

5/23/2022

www.cei-lech.cem Data shown on this report is provided for planning and informational purposes only. The municipality and SAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.

Page 1 of 1

Abutters List Report - Lancaster, MA