May 6, 2021

Town of North Castle 17 Bedford Road Armonk, NY 10504

Re: 120 Lafayette Avenue, White Plains, NY 10603-1602

To Whom It May Concern,

This is to authorize Janet E. Glover to act on my behalf with respect to filling of an application for a Planning Board, ARB, permit approval for a solar system on the roof of 120 Lafayette Avenue, White Plains, NY 10603.

Very truly yours,

Billentof Michael, Bellantoni



May 7, 2021

Town of North Castle Planning Board 17 Bedford Road Armonk, NY 10504Redding, CT 06875

Re: Michael Bellantoni, Inc. 120 Lafayette Avenue White Plains, NY 10603-1602

To Whom It May Concern,

Per the attached plans, a 107.07 Kw AC (86.5 Kw AC) is proposed to be installed on the steel roof of a commercial warehouse located at the above captioned address. The system will consist of 249 Hanwhat Q-Peak 430W solar panels and 5 Solar Edge 17.3Kw AC inverters. The warehouse has a flat roof and the panels will not be visible from the street.

Very truly yours,

anit & Alove

Janet E. Glover, Owner/COO Green Hybrid Energy Solutions, Inc.

11 Washington Place East White Plains, New York 10603 (844) SOLAR-NOW

jglover@ghessolar.com 914-539-5984 eglover@ghessolar.com 914-299-9552 Office 914-949-4900 FAX 914-949-4904

### I. IDENTIFICATION OF PROPERTY OWNER, APPLICANT AND PROFESSIONAL REPRESENTATIVES

Name of Property Owner: Michael Bellanton; Inc
Mailing Address: 120 LAPAYEtte Ave White Plans NY 10603-1602
Mailing Address: 120 LAFAYETTE Ave White Plans NY 10603-1602 Telephone: 914-948-6468 Fax: e-mail Michael bomblandare.co
Name of Applicant (if different): Spret E. GLOVER Address of Applicant: 11 WAShington Place East White Plains, N/ 10603
Telephone: <u>142999552</u> Fax: <u>914-76(-4674</u> e-mail <u>eqlover@qhessolar.c</u>
Interest of Applicant, if other than Property Owner: <u>Representative of Property Owner</u>
Is the Applicant (if different from the property owner) a Contract Vendee?
Yes No
If yes, please submit affidavit sating such. If no, application cannot be reviewed by Planning Board
Name of Professional Preparing Site Plan: Sund Salgal, PE Address: 1266 Rohmay Avenue Westfield, NJ 07090
Telephone: <u>646-632-7734</u> Fax: <u>e-mail Enthuklic @gmail.co</u>
Name of Other Professional: Green Hybrid Energy Solutions, Inc.
Address:       11 Washington Place East, White Plains, NY 10603         Telephone:       914-299-9552         Fax:       914-761-4674         e-mail
Name of Attorney (if any):
Address:
Telephone:

### **Applicant Acknowledgement**

By making this application, the undersigned Applicant agrees to permit Town officials and their designated representatives to conduct on-site inspections in connection with the review of this application.

The Applicant also agrees to pay all expenses for the cost of professional review services required for this application.

It is further acknowledged by the Applicant that all bills for the professional review services shall be mailed to the Applicant, unless the Town is notified in writing by the Applicant at the time of initial submission of the application that such mailings should be sent to a designated representative instead.

Signature of Applicant: Date: Mont 10 Date Signature of Property Owner: MUST HAVE BOTH SIGNATURES

### II. IDENTIFICATION OF SUBJECT PROPERTY

Street Address: <u>120</u> <u>La Fayette Avenue</u> White Plains, NY Location (in relation to nearest intersecting street): 10603-1602
Location (in relation to nearest intersecting street): $10603 - 1000$
feet (north, south, east or west) of
Abutting Street(s):
Tax Map Designation (NEW): Section 122.12 Block Lot 2
Tax Map Designation (OLD): Section Block Lot
Zoning District: Total Land Area
Land Area in North Castle Only (if different)
Fire District(s)School District(s)
Is any portion of subject property abutting or located within five hundred (500) feet of the following:
The boundary of any city, town or village? No Yes (adjacent) Yes (within 500 feet) If yes, please identify name(s): The boundary of any existing or proposed County or State park or any other recreation area?
No $\_$ Yes (adjacent) $\_$ Yes (within 500 feet) $\_$
The right-of-way of any existing or proposed County or State parkway, thruway, expressway, road or highway? NoYes (adjacent) Yes (within 500 feet)
The existing or proposed right-of-way of any stream or drainage channel owned by the County or for which the County has established channel lines? NoYes (adjacent)Yes (within 500 feet)
The existing or proposed boundary of any county or State owned land on which a public building or institution is situated? No $V$ Yes (adjacent) Yes (within 500 feet)
The boundary of a farm operation located in an agricultural district? NoYes (adjacent)Yes (within 500 feet)
Does the Property Owner or Applicant have an interest in any abutting property?
If yes, please identify the tax map designation of that property:
<u>5B1 122.12 - 1 - 39</u>

### **III. DESCRIPTION OF PROPOSED DEVELOPMENT**

Proposed Use: No Change	
Gross Floor Area: Existing S.F. Proposed S.F.	
Proposed Floor Area Breakdown:	
Retail	
Industrial S.F.; InstitutionalS.F.;	
Other NonresidentialS.F.; ResidentialS.F.;	
Number of Dwelling Units:	
Number of Parking Spaces: Existing Required Proposed	
Number of Loading Spaces: Existing Required Proposed	
Earthwork Balance: Cut C.Y. Fill C.Y.	
Will Development on the subject property involve any of the following:	
Areas of special flood hazard? No <u>Yes</u> (If yes, application for a Development Permit pursuant to Chapter 177 of the Code may also be required)	North Castle Town
Trees with a diameter at breast height (DBH) of 8" or greater?	
<u>No</u> <u>Yes</u> <u>(If yes, application for a Tree Removal Permit pursuant to Chapter 308 of the Code may also be required.)</u>	e North Castle Town
Town-regulated wetlands? No <u>Yes</u> (If yes, application for a Town Wetlands Permit pursuant to Chapter 340 of the Code may also be required.)	he North Castle Town
State-regulated wetlands? No <u>Yes</u> (If yes, application for a State Wetlands Permit may also be required.)	

### Short Environmental Assessment Form Part 1 - Project Information

### **Instructions for Completing**

**Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 – Project and Sponsor Information						
Michael Bellantoni, Inc.						
Name of Action or Project: 120 Lafayette Avenue, White Plains, NY 10603-1602						
Project Location (describe, and attach a location map): Section 122.12 Block 1 Lot 2						
Brief Description of Proposed Action: Installation of a 107.07 Kw DC (86.5 kw AC) solar photovoltaic system on the roof of 120 Lafa consist of 249 430W solar panels and 5 17.3 Kw inverters on a racking system	iyette Avenue, White Plains, N	VY 10603	6. The sys	tem will		
Name of Applicant or Sponsor:	Telephone: 914-948-6468	3				
Michael Bellantoni, Inc E-Mail: michael.b@mblandscape.com						
Address: 120 Lafayette Avenue						
City/PO: White Plains	State: NY	Zip Co 10603-1				
<ol> <li>Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation?</li> <li>If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.</li> <li>Does the proposed action require a permit, approval or funding from any other government Agency?If Yes, list agency(s) name and permit or approval:Town of North Castle</li> </ol>						
3. a. Total acreage of the site of the proposed action?	<u>JA</u> acres J <u>A</u> acres NA acres			✓		
<ul> <li>4. Check all land uses that occur on, are adjoining or near the proposed action:</li> <li>✓ Urban □ Rural (non-agriculture) □ Industrial ✓ Commercia</li> <li>□ Forest □ Agriculture □ Aquatic □ Other(Specee)</li> <li>□ Parkland</li> </ul>		ban)				

5. Is the proposed action,	NO	YES	N/A
a. A permitted use under the zoning regulations?		$\checkmark$	
b. Consistent with the adopted comprehensive plan?		$\checkmark$	
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?		NO	YES
o. Is the proposed action consistent with the predominant enaracter of the existing built of natural landscape.			$\checkmark$
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?		NO	YES
If Yes, identify:		$\checkmark$	
		NO	YES
8. a. Will the proposed action result in a substantial increase in traffic above present levels?		$\checkmark$	
b. Are public transportation services available at or near the site of the proposed action?			
c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?			$\checkmark$
9. Does the proposed action meet or exceed the state energy code requirements?		NO	YES
If the proposed action will exceed requirements, describe design features and technologies:		$\checkmark$	
10. Will the proposed action connect to an existing public/private water supply?		NO	YES
If No, describe method for providing potable water:		$\checkmark$	
11. Will the proposed action connect to existing wastewater utilities?		NO	YES
If No, describe method for providing wastewater treatment:			
		$\checkmark$	
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district	:t	NO	YES
which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?		$\checkmark$	
b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?		$\checkmark$	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?		NO	YES
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?			
If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres:			

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:		
Shoreline Forest Agricultural/grasslands Early mid-successional		
Wetland Urban 🗹 Suburban		
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or	NO	YES
Federal government as threatened or endangered?	$\checkmark$	
16. Is the project site located in the 100-year flood plan?	NO	YES
	$\overline{\mathbf{V}}$	
	NO	
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes,		YES
a. Will storm water discharges flow to adjacent properties?		
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe:		
18. Does the proposed action include construction or other activities that would result in the impoundment of water	110	
or other liquids (e.g., retention pond, waste lagoon, dam)?	NO	YES
If Yes, explain the purpose and size of the impoundment:	$\checkmark$	
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste	NO	YES
management facility? If Yes, describe:		
	$\checkmark$	
20.Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?	NO	YES
If Yes, describe:		
I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BE	STOF	
MY KNOWLEDGE	51 OF	
Applicant/sponsor/name: Michael Bellantoni, Inc. Date: 5/6/21		
Signature: Michael Silland Title: 6m		
		]

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### **Enthink Engineering LLC**

1266 Rahway Avenue, Westfield, NJ 07090 enthinkllc@gmail.com (646) 632-7738

May 7, 2021

Town of North Castle Building Department 17 Bedford Road Armonk, NY 10504

Re: Michael Bellantoni, Inc. 120 Lafayette Avenue White Plains, NY 10603

To Whom It May Concern,

The existing roof structure of the above captioned property is made of EPDM membrane with insulation board, q-decking, 24" steel i-beam w/truss spaced 10" oc. will support the additional load of the solar panels of 3.98 PSF under the required loads of 125 MPH wind speed, and 30 PSF ground snow load without additional structural supports.

I have determined that the installation will meet the requirements of the 2020 IECC, 2020 NYS Uniform Code Supplement, NYS Energy Construction Code 2020, NEC 2018, IBC 2018 and Town of North Castle building codes, when installed in accordance with the manufacturer's instructions.

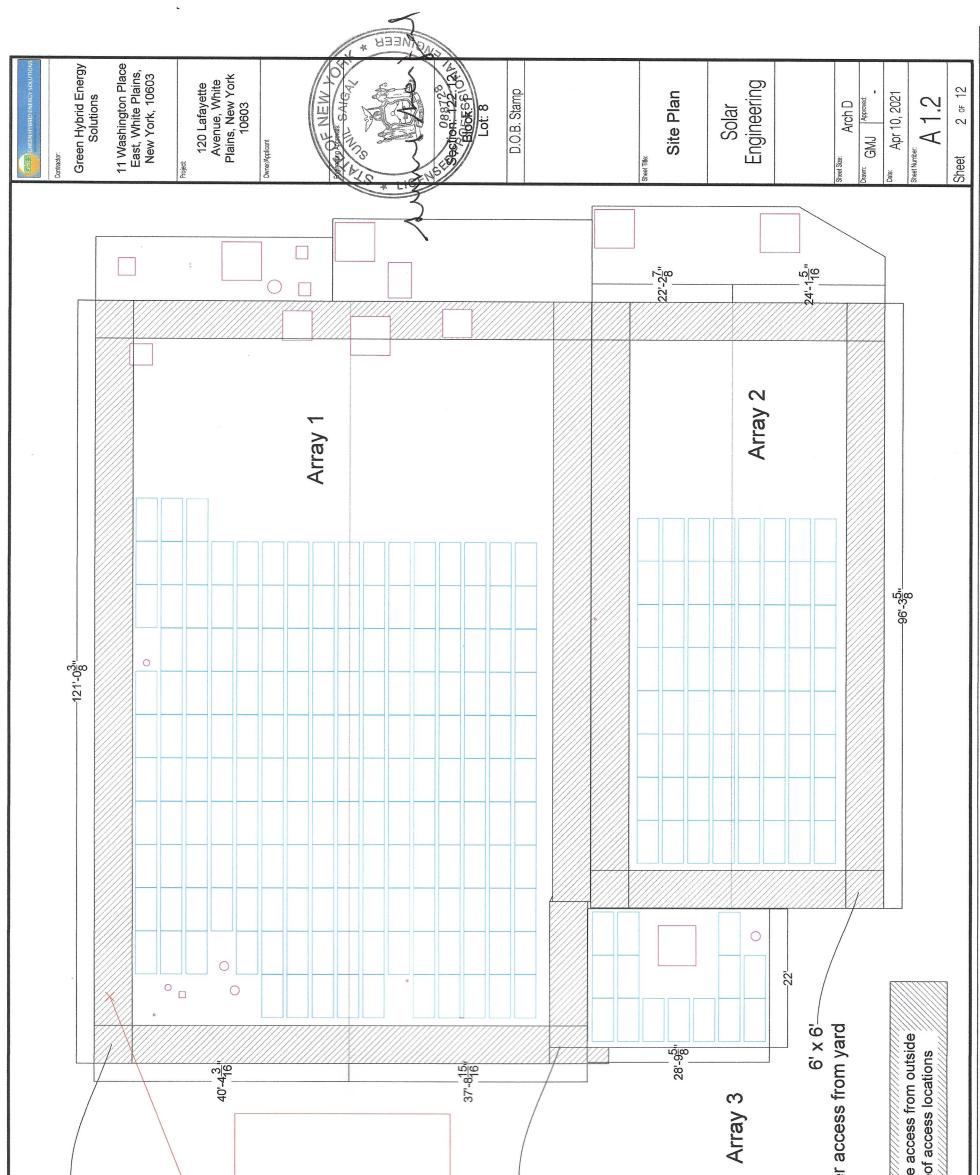
If you have any further questions or require addition information, feel free to contact me.

Very truly yours,



Connact Connact Connact Connact Connact Townshington Place Bast, White Plains, New York, 10603 Prote Townshington Place East, White Plains, New York, 10603 New York 10603 New Yo		Steel Tile: Installation Overview	Solar Engineering		C Isize:	<sup>Date:</sup> Apr 10, 2021 Sheet Number:	Sheet 1 or 12
	Michael Bellantoni, Inc.	The existing roof structure has been evaluated for the proposed solar load requirements and was determined to be of sufficient structural capacity for the following method of installation. -Rolled asphalt roof, insulation board, q-decking, 24" steel	Supporting Documentation -Unirac RM5 Ballasted trays w/ EPDM slipsheets	It is a violation of the law for any person unless they are acting under the direction of a licensed	professional engineer to alter any item in any way. If an item bearing the seal of an engineer is altered, the altering engineer shall affix to the	item their seal and the notation "altered by" followed by their signature and specific description of the alteration.	
	Roof Loads	Ground Snow Load (psf) 30 Wind Load (mph) 125 Solar Array (nsf) 3 98 nsf	otive Value/Citation RM5 ballasted trays		Any commercial or residential activity of this structure will remain uninterrupted during	affects egress fire safety, rated assemblies, occupant health, excessive noise or structural interrity	
	Building Information	Use Group: Construction Class: S-1 Roof Height: 15' Number of Stories: 14 600 00	Proposed Design Value Maintain existing roof integrity with integration of 107.07kw	trays. Supporting equipment to be photovoltaic installation and 231b co mounted on northwest interior well of building with local disconnect located on roof. by the concerned AHJ.	No new construction has been proposed. PV Any struction is to be mounted on existing roof		
le to to the second of the sec		CC CC Nt	2020	eel construction) trays. G8 430w module (249)	llasted No No No	sr (125)	stc

Brc	Parters Ave
Bellantoni Landscape	•
Atlantic Irrigation Specialties, Inc Certified Site	o russel
A & C Furia Electric Motors	Growth Products
	Location Ma
Sheet	et Index 200 Degree Orientation
- N 0 - N 0	
- PV Labels - SolarEdge ( - SolarEdge I - Module Dat - Unirac RM5	
	Project Data
Applicable Codes:	IECC - 2020 Uniform Code Suppler NYS Energy Constructi
	NEC - 2018 IBC - 2018
Building Use:	Commercial Warehouse (steel
Module:	Hanwha Q-Cell Q.Peak Duo L-G8
Racking:	Unirac RM5 Ballast
Inverter(s):	SolarEdge 17.3kw Inve
Optimizers:	SolarEdge p850w Optimiz
System Rating:	107.07 kw DC - STC



6' x 6'	6' x 6'
ladder access from yard	n yard
<ul> <li>17.3kW SolarEdge Inverter (northwest interior of bldg)</li> <li>Solar Production Meter (northwest interior of bldg)</li> <li>600a House Panel (northwest interior of bldg)</li> <li>Existing Utility Meter (northwest exterior of bldg)</li> </ul>	6 0 0 0 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
6' x 6'	6' x 6'
ladder access from yard	n yard
lado	ladder
6' perimeter	neter fire
parapet and	and root

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3.34 pst 2762 MM 2762 MM 27

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## ENGINEERING REPORT

### Plan review

AVERAGE PSF

TOTAL NUMBER OF MODULES

TOTAL KW

TOTAL AREA

FOTAL WEIGHT ON ROOF

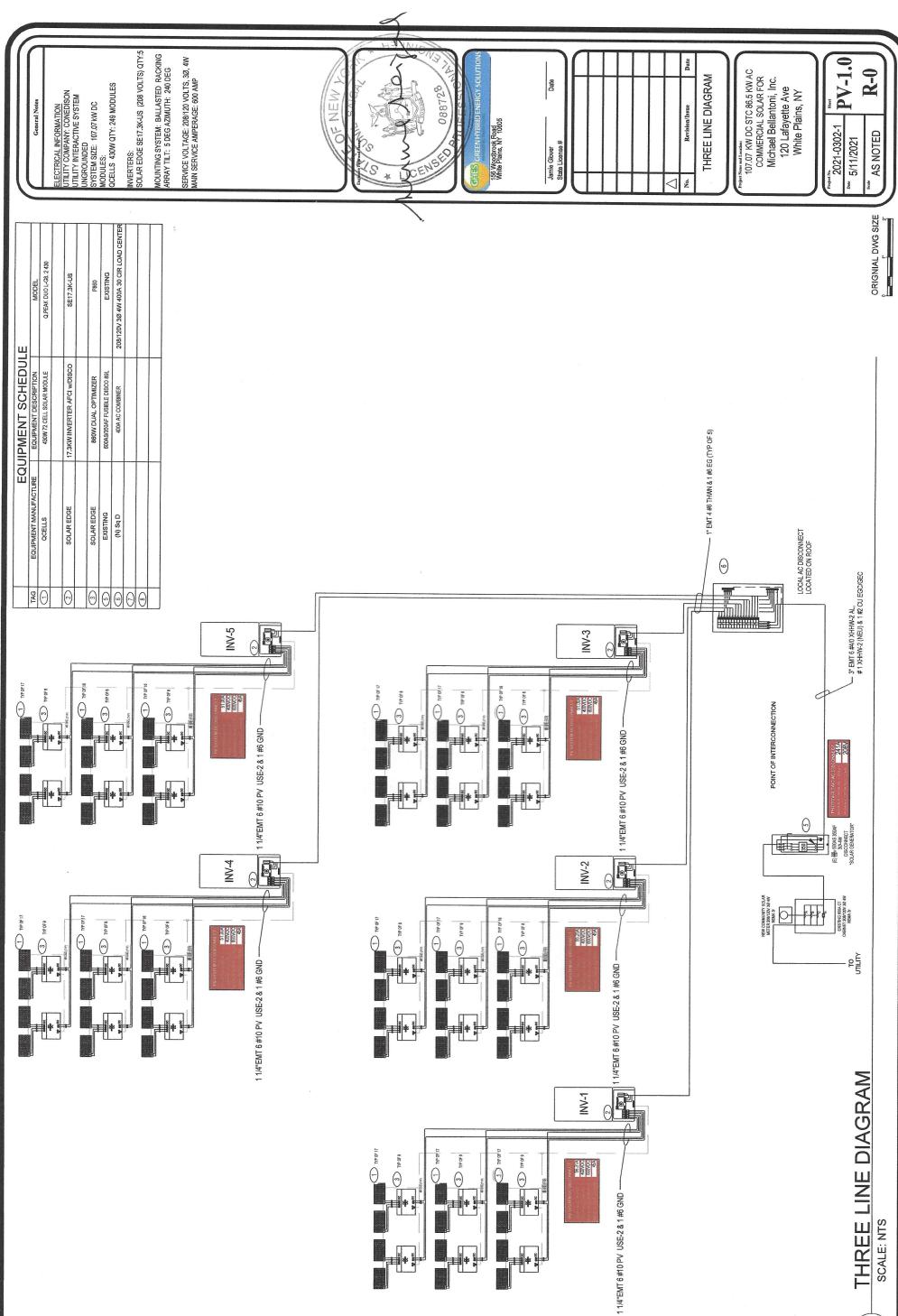
RACKING WEIGHT

MODULE WEIGHT

BALLAST WEIGHT

MAX BAY LOAD (DEAD)

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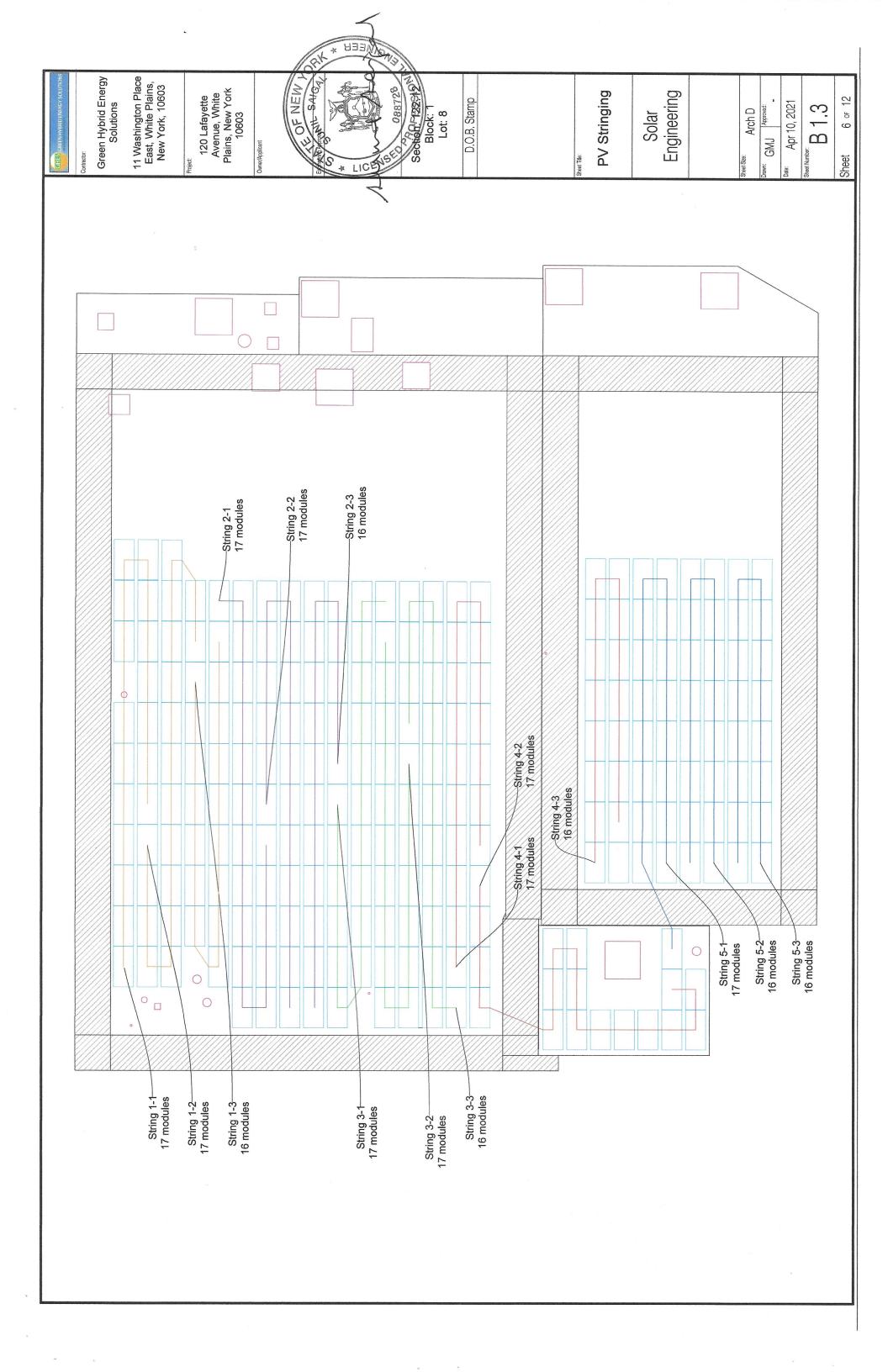


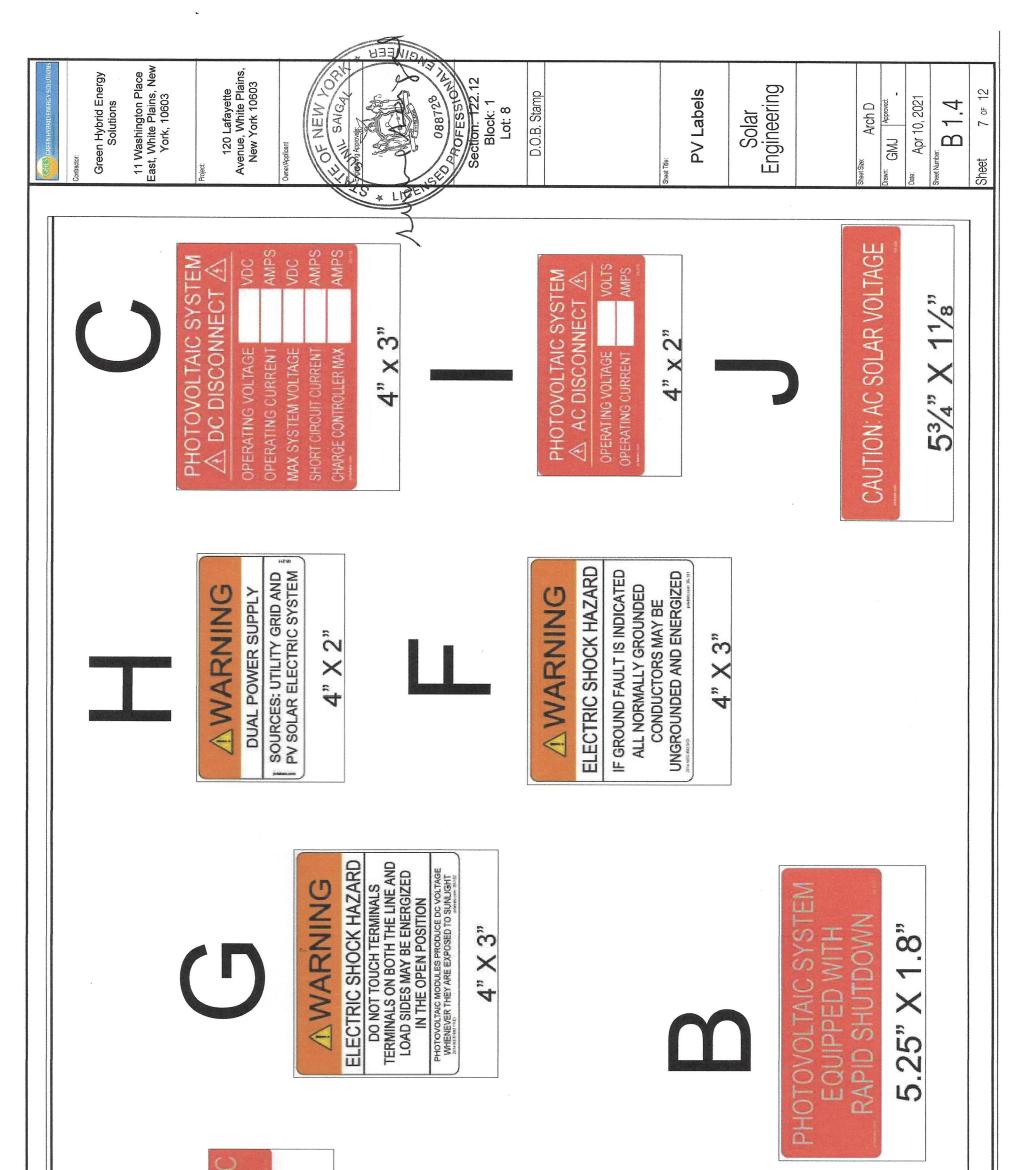


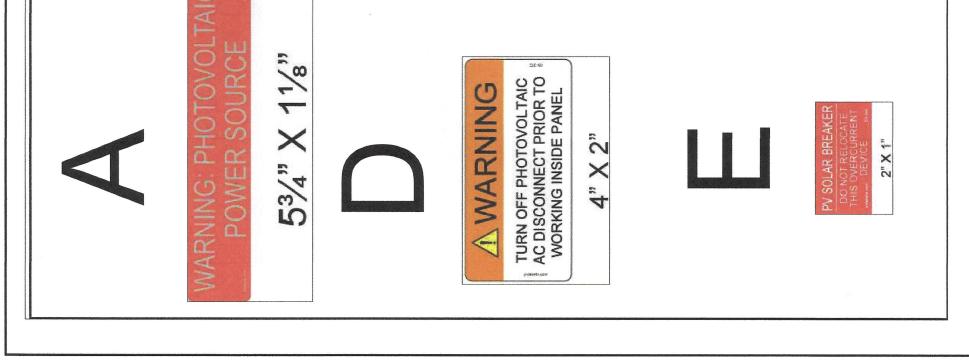
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Constant	NP10805	Jame Glove     Jame Glove       State Licence #     Date       State Licence #     Date       No.     No.       No.     Revision/Issue       Date     Date       Still/1/2021     Port.11       No.     R.0
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430         Voc Temp Coefficient         -0.270% / C           49.33 vdc         colest Day VVOC         56.12 vdc           37.6 vdc         warmest Day VVOC         56.12 vdc           37.6 vdc         warmest Day VVOC         56.12 vdc           10.31 A         - 32.73 vdc         - 32.73 vdc           10.31 A         - 32.73 vdc         - 32.73 vdc           10.31 A         - 32.73 vdc         - 400 vdc           10.31 A         - 10.31 A         - 32.73 vdc           10.31 A         - 1300 vdc         - 32.73 vdc           10.31 A         - 1300 vdc         - 32.73 vdc           120         0.372         6.348         1.700%           120         0.2976         5.439         1.360%           120         0.2976         5.439         1.360%           120         0.2976         5.439         1.360%           140         0.3472         6.345         1.493%           140         0.3472         5.972         1.493%           140         0.3473	140     0.3472     5.439       140     0.3472     5.439       120     0.3472     5.439       140     0.3472     5.972       140     0.3472     5.97	208 208 208 208 208 PV SOURCE CIRCUIT (C ULE ino= 10.31 A ULE imp= 10.83A DULES IN LARGEST OPTIMIZ AJTED PV WIRE, 105*990°C R AJTED PV WIRE, 105*990°C R AJTED CORRECTION FACTC ATURE CORRECTION FACTC CIRCUIT CONTINUOUS CURRENT = 48.25 R OUTPUT CIRCUIT OVER CURR INVERTER #1-5 OUTPUT VITINUOUS CURRENT = 48.25 R OUTPUT CIRCUIT OVER CURR CONTPUT CIRCUIT OVER CURR R OUTPUT CIRCUIT OVER CURR R OUTPUT VIRING TO AC CO ATURE CORRECTION FACTC
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GMES CREEN HYBRID ENERGY SOLUTIONS Contractor:	Green Hybrid Energy Solutions 11 Washington Place East, White Plains, New York, 10603	Propect: 120 Lafayette Avenue, White Plains, New York 10603	D.O.B. Stamp	Sheet The SolarEdge Optimizer Data SolarEdge Optimizer Data Sheet Sheet Sheet Sheet a
	Ptimizer For North America         P850 / P950 / P800p         P850 / for 2 x 72-cell PV         (for 2 x 72-cell PV         PV         (for 2 x 72-cell PV         PV         (for 2 x 72-cell PV         PV	800         850         950         800         800           Single input for series connected modules         910 line         100 line         100 line           125         125         125         83         83           11.75         12.5         12.5         83         83           11.75         12.5         105         12.5         83           11.75         12.5         12.5         875         93           14.65         99.5         15.6         8.75         93           96.6         1	B3         B1         B1         MEC         MEC         NEC         SOLAREDGE INVERTER OR SOLAREDGE INVERTER OFF)         MEC           1 ± 0.1         NEC         SOLAREDGE INVERTER OR SOLAREDGE INVERTER OFF)         MEC           NEC         SOLAREDGE INVERTER OR SOLAREDGE INVERTER OFF)         MEC           NEC         SOLAREDGE INVERTER OR SOLAREDGE INVERTER OFF)         MCC           NEC         SOLA & SOLAREDGE INVERTER OR SOLAREDGE INVERTER OFF)         MCC           NEC         NEC         SOLA & SOLAREDGE INVERTER OR SOLAREDGE INVERTER OFF)         MCC           NEC         SOLA & SOLAREDGE INVERTER OR SOLAREDGE ISOLAREDGE ISOLAREDGE ISOLAREDGE ISOLAREDGE INVERTER OR SOLAREDGE INVERTER OR SOLAREDGE INVERTER OR SOLAREDGE ISOLAREDGE INVERTER OR SOLAREDGE ISOLAREDGE INVERTER OR SOLAREDGE INVERT	(b) the case of oddition to negring in the supplied print of model to the STOR SEU PBSO PBD0 PFSO power optimizer connected to care PV models when connecting models to experiment with the supplied part of the STOR PBSO PBSO PPSO PPSO PPSO PPSO PPSO PPSO
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25 YEAR

Advanced maintenanc monitoring

- Module-level voltage and firefighter safety
- Meets NEC requirements protection (AFCI) and Ph Shutdown System (PVRS)
- Use with two PV modul or in parallel

S



solaredge.com

120/208/	SEI7.3KUS	17300	17300 17300 17300 17300	105-120-132.5	1 48.25 Aac	S	≤ 3 % +/-0.85 to 1	Yes 26000 W			55 48.25 Adc		ttivity <sup>(3)</sup>	97.5 % %		Ethernet, Cellular (optional)	with the setApp mobile application using built-in Wi-H access point for local connection NEC2014, NEC2017 and NEC2020 compliant/certified	Supplied with the inverter, Built-in	reiu replaceaole, built-in 25Å, Built-in	Export Limitation	Integrated	1741   1741 SA   1 600R CSA C33 7 Canadian AECT according to 111 M 07	IEEE1547, Rule 21, Rule 14 (HI)	CC part15 class A	or 1" / 6 - 10 AWG	34" or 1" / 6 - 12 AWG 4	x 317 x 300	78.2 / 35.5 Ib / kg	< 62 dBA	to +60 <sup>(4)</sup>	NEMA 3R Reacter provided	riacket provided		siks of SolatEdge Technologies, Inc. All other trademarks mentioned herein are $\int {\cal F}$
Three Phase Inverters for the 120/208V Grid <sup>(1)</sup> for North America	SE14.4KUS / SE17.3KUS MODEL NUMBER APPLICABLE TO INVERTERS WITH PART NUMBER SE	14400		n-Nominal-Maximum <sup>20</sup> (L-N)	Continuous Output Current (per Phase) 40 GED Threshold	Utility Monitoring, Islanding Protection, Country Configurable Set Points		Maximum DC Power (Module STC) 21600 Transformer-less, Ungrounded	Maximum Input Voltage DC+ to DC-	iC+ to DC-	Maximum Input Current 40 Maximum Input Short Circuit Current	Reverse-Polarity Protection	etection	CEC Weighted Efficiency Niaht-time Power Consumption	S	Supported Communication Interfaces 2 x R5485, 2 x r54855, 2 x r548555, 2 x r5485555, 2 x r5485555, 2 x r54855555, 2 x r548555555, 2 x r548555555, 2 x r5485555555555, 2 x r54855		KS485 Surge Protection Plug-in Supplied		Smart Energy Management DC SAFFTY SWITCH		STANDARD COMPLIANCE	Grid Connection Standards	Emissions Emissions INSTALLATION SPECIFICATIONS		DC input conduit size / AWG range 34." Number of DC inputs pairs	tch (H x W x D)	Weight with Safety Switch Cooling Fan		Operating Temperature Range -40 t		fer to: https://www.solaredge.com/sites/default/files/se-three-ohase-us-inverter-277-480V-setano	<ol> <li>for other regional settings please contact SolarEdge support</li> <li>Where permitted by local regulations</li> <li>Where permitted by local regulations</li> <li>For power de-rating information refer to: https://www.solaredge.com/sites/default/files/se-temperature-derating-note-na.pdf</li> </ol>	© Solarédge Technologies, Inc. All rights reserved. SOUREDGE, the SolarEdge logo. OPTIMIZED BY SOUREDGE are trademarks or registered trademarks or trademarks of their respective owners, Date OS/XDX/VUZ/BIO NAN, Subject to change without notice.

systems

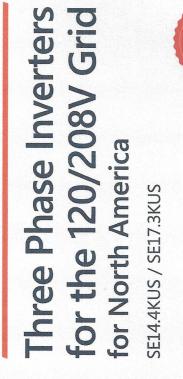
Integrated arc fault prote for NEC 2014 and 2017, <sub>1</sub>

Built-in module-level moni wireless or cellular commu full system visibility

Integrated Safety Switch

UL1741 SA certified, for





12-20 YEAR VARRANTY



# The best choice for SolarEdge enabled

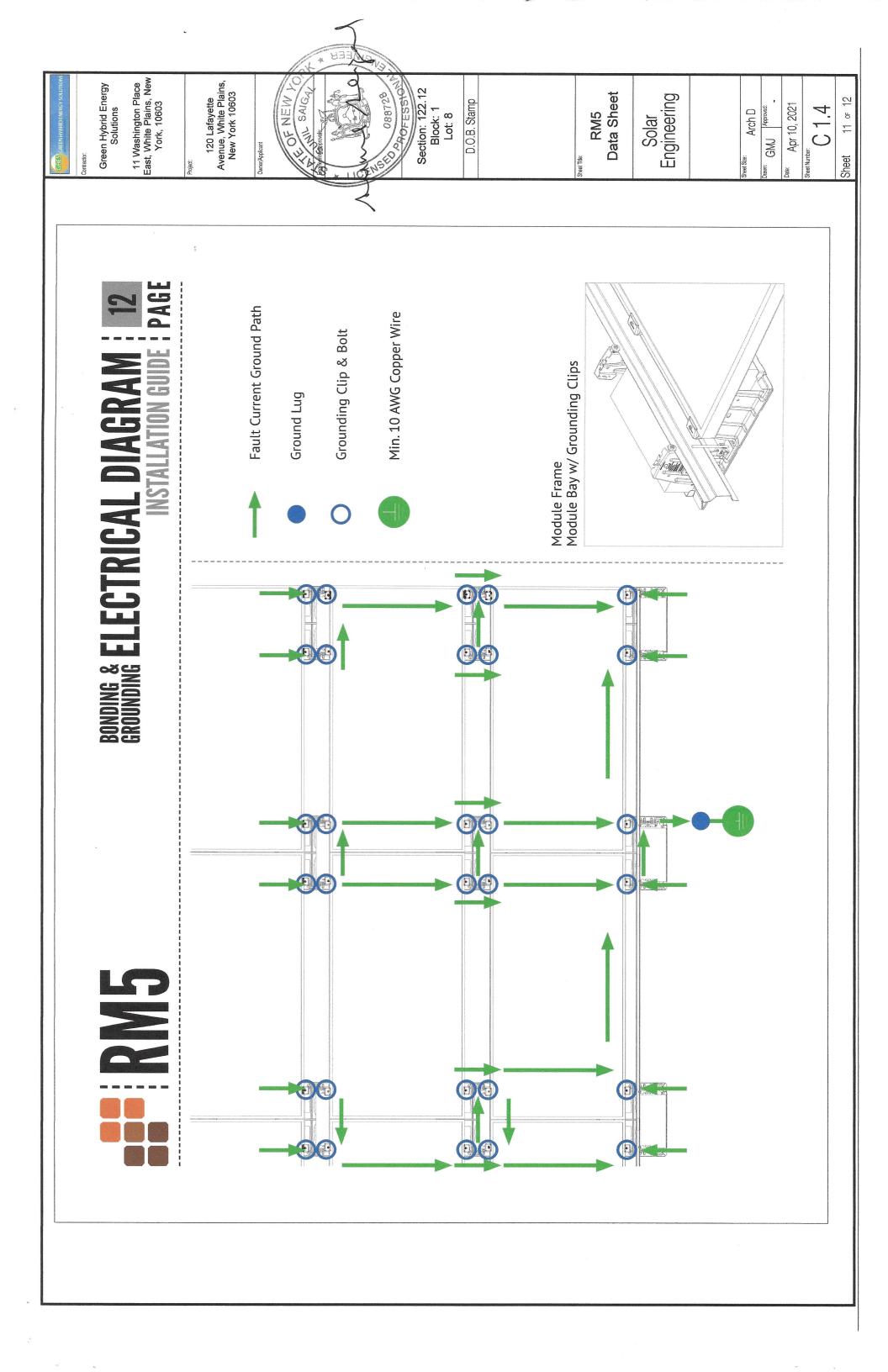
Specifically designed to work with power optimizers

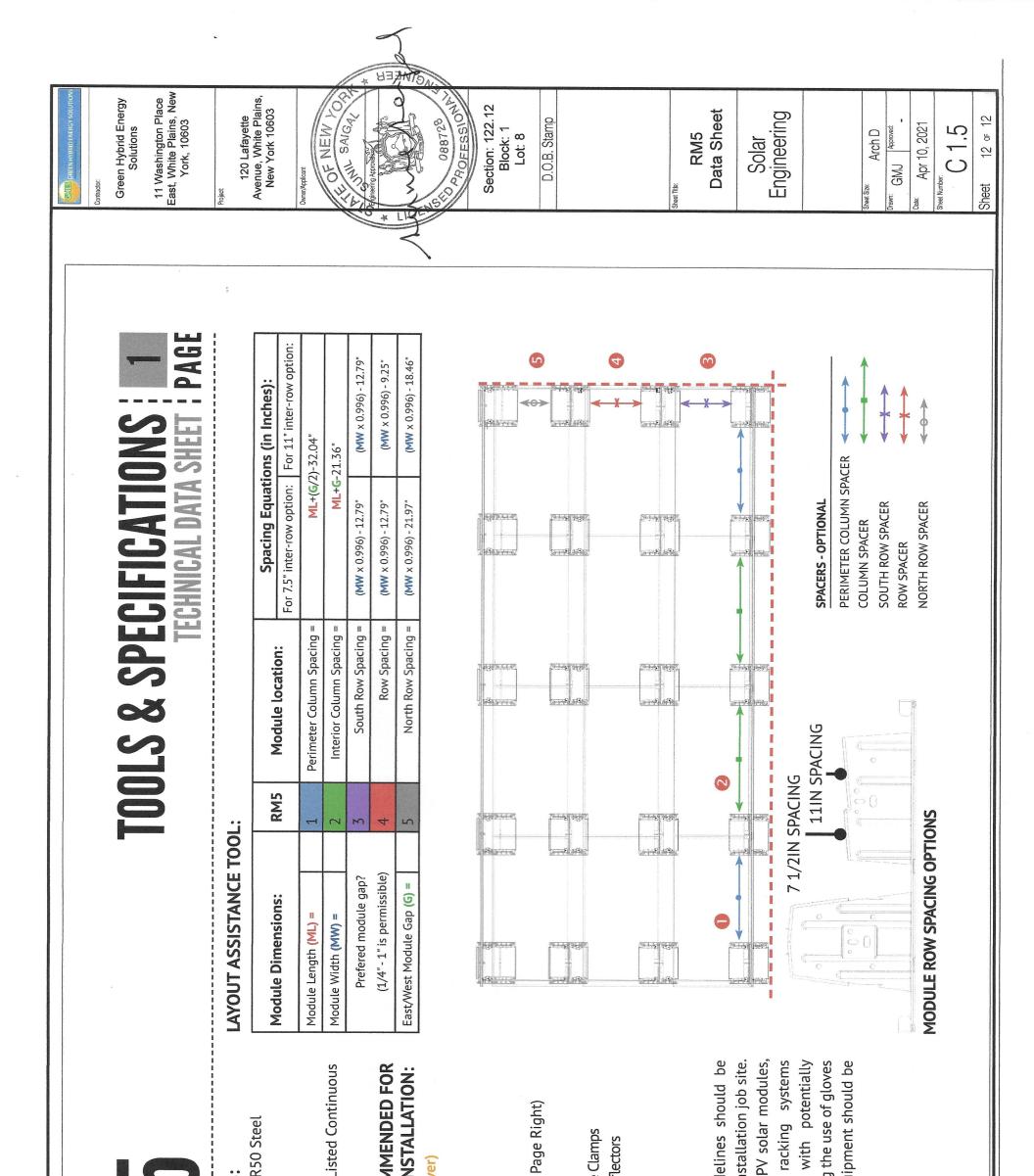
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Fixed voltage inverter for superior efficiency (97.5%) and longer strings
- Built-in type 2 DC and AC Surge Protection, to better withstand lightning events
- Small, lightest in its class, and easy to install outdoors or indoors on provided bracket

solaredge.com

Contractor: Contractor: Green Hybrid Energy Solutions 11 Washington Place East, White Plains, New York, 10603 Polet 120 Lafayette Avenue, White Plains,	And	Sheet Stat: Arch D Daw: GMJ Approved: Date: Apr 10, 2021 Sheet 10 of 12
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# **TECHNICAL SPECIFICATIONS:** Material Types: 16G ASTM A653 GR50 Steel

Material Types: 16G ASTM A653 G235 Galvanization

Hardware: Stainless Steel

Bonding and Grounding: UL2703 L Bonding Path.

# TOOLS REQUIRED OR RECOMMENDED FOR LAYOUT, ATTACHMENTS & INSTALLATION:

- Drill (Do Not Use An Impact Driver)
- 7/16" Socket
  - Torque Wrench
    - Tape Measure
      - Chalk Reel
- Optional Spacers (See Diagram Page Right)

# **GENERAL HARDWARE:**

- ¼-20 X 2 ½" Hex Head Bolt Module Clamp:
   ¼-20 X 1" Hex Head Bolt Wind Deflectors
  - 14-20 Stainless Steel U-Nuts
- 14" Flat Washer 1 12" O.D.

### SAFETY:

All applicable OSHA safety guidelines should be observed when working on a PV installation job site. The installation and handling of PV solar modules, electrical installation and PV racking systems involves handling components with potentially sharp metal edges. Rules regarding the use of gloves and other personal protective equipment should be observed.