## Town of Northumberland **Area Variance Application** Zoning Board of Appeals

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Area Variance Application	SBL#: 1/8,-1-1.14
Zoning Board of Appeals	Application #: 0003-24
Zouing Doute of Appears	Date of Appeal: 5/1/2024
	Date of Receipt by Board: 4 24 20 3
hand 1. T. D. Completed but he Amplicant	Date of Public Hearing:
ert 1: To Be Completed by the Applicant	Date of Final Action:
Applicant: Alex Martin // Kasselman Solar, LLC.	Date of Filing a Decision with the
Owner (if not applicant): Ben Nelson	Town Clerk's Office:
Mailing Address: 279 Broadway Bldg 2	
Menands, NY 12204 amartin@kasselmansolar.com jgardner@kasselmansolar.com	
Day Phone: (518) 918-4800 Evening Phone:	
Property Information	
Appeal Concerns Property at the Following Address: 262 Austin Road, Northum	berland , NY 12831
Date Applicant Acquired Property: Please see attached	9, 41,
( If property is not owned by the applicant, the applicant must sub	
property owner authorizing the applicant to appeal on his/her be	haif.)
Note: the ZBA is without authority to grant an <u>Area Variance unless</u> the	applicant can demonstrate that the
dimensional requirements of the zoning regulations have created a pract	ical difficulty Accordingly, the
applicant for an Area Variance must complete the following information.	
Project Description (Briefly describe your proposal and attach a surveyor arrays totaling 36.90 kW (14.76kW and 22.14kW respectively)	ed plot plan): Installation of ground-mounted
The state of the s	
State what type and size of an area variance you are requesting (ex. 3	foot side yard variance):
65' front yard variance and 5 acre lot variance	4-797-17A, pr 81-17A
	•
State the reason you are applying for the area variance: Lot size variance a	is 10 acre lot is required, project parcel is 5 acres.
Due to the shape, size, and solar access of the parcel placement behind the residence is not feasible, the parcel is	not deep enough in most areas to abide by the 100' set back.
Describe the character of the neighborhood and how this project will neighborhood: Rural residential neighborhood with abundant natural screening that should allow for	not be a substantial detriment to the r minimal if any visual disruption. Otherwise installation
will have no environmental or other impact on surrounding community. Neighboring parcel across str	eet is farmland.
	f Applicant: (MX Mortin)
The state of the s	
Disclaimer: We hereby dispose and say that all the abo statement content in the application submit	
Sworn before me, Krista Galliner, on this date 2271	month had and year 2024
Sworn before the	, monus, paret, and year acce.
Cll X MARTINE Krist	a. y alliher
allex Months Kriet	a. Walliher
Applicant	VIMER
Applicant	KRISTA GALLIHER
Applicant Notary  Property Owner NOTARY	KRISTA GALLIHER PUBLIC-STATE OF NEW YORK
Applicant Notary  Property Owner NOTARY OVER	KRISTA GALLIHER PUBLIC-STATE OF NEW YORK NO. 01GA6345213
Applicant Notary  Property Owner NOTARY OVER	KRISTA GALLIHER

OFFICE USE ONLY

262 Austin Rd App # 0003-24

Part 2: To Be Completed by Zoning Administrator	Ben Nelson
SBL# 118, -1-1.14 Current Zoning: A6	
Is Property in Hamlet Area? YesNo	Is SEQRA Review required? Yes No
The applicant's appeal from a decision of the Zoning Enplanning board as permitted by Town Law, concerns the	
Denial of an Application for a Buildin	ng Permit concerns the following: Not enough
Denial of an Application for a Certific	cate of Occupancy (Attach to Application)
For the Proposed Activity:  Denial was made because of a violation of the Town Zo	oning Code (s):
m + + +	11/201/201
Signature of Zoning Administrator	4/24/24 Date of Zoning Administrator's Decision
the Zoning Administrator the ZBA finds:	aterials from the applicant and the criteria provided from the above criteria and the application is denied on the
**************************************	ate and substantial merit to the application project and is hich grants the applicant the requested Area Variance in
Signature of ZBA Chairperson	Date
with the conditions of said authorize	ain any necessary building permits or comply ed permit within six (6) months from the date g Board of Appeals may increase this period

Revised and Approved Form: By: ZBA and Town Board



279 Broadway Building #2 Menands, NY 12204 (518)-478-8365 (518)-953-1095 Fax

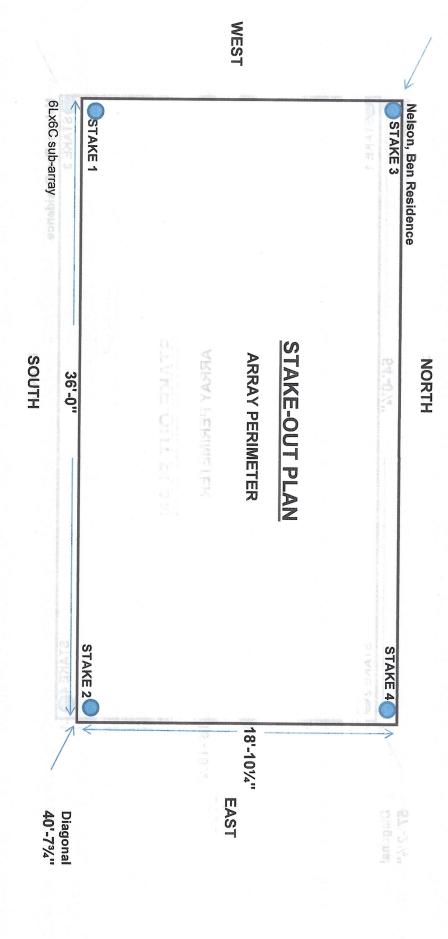
I <u>Ben and Lauren Nelson</u> ( <u>Customer</u> ) hereby authorize Kasselman as customer, agent & contractor, to represent at board meetings and to sul necessary permit and board applications, and supporting documents to the	omit/received all
Department on my behalf.	S
Customer Name (Drint) Ben and Lauren Nelson	
Customer Name (Print)	
Customer Signature / // // Customer Signature / // // // // // // // // // // // //	
B84A2CD8B348435	
262 Austin Rd, Gansevoort NY 12831 Customer Address	
Gansevoort  Municipality that issues your Building Permit	_
Kasselman Solar Employee Signature  Sturn Yassılman  002B87AA5B3F4A9	-

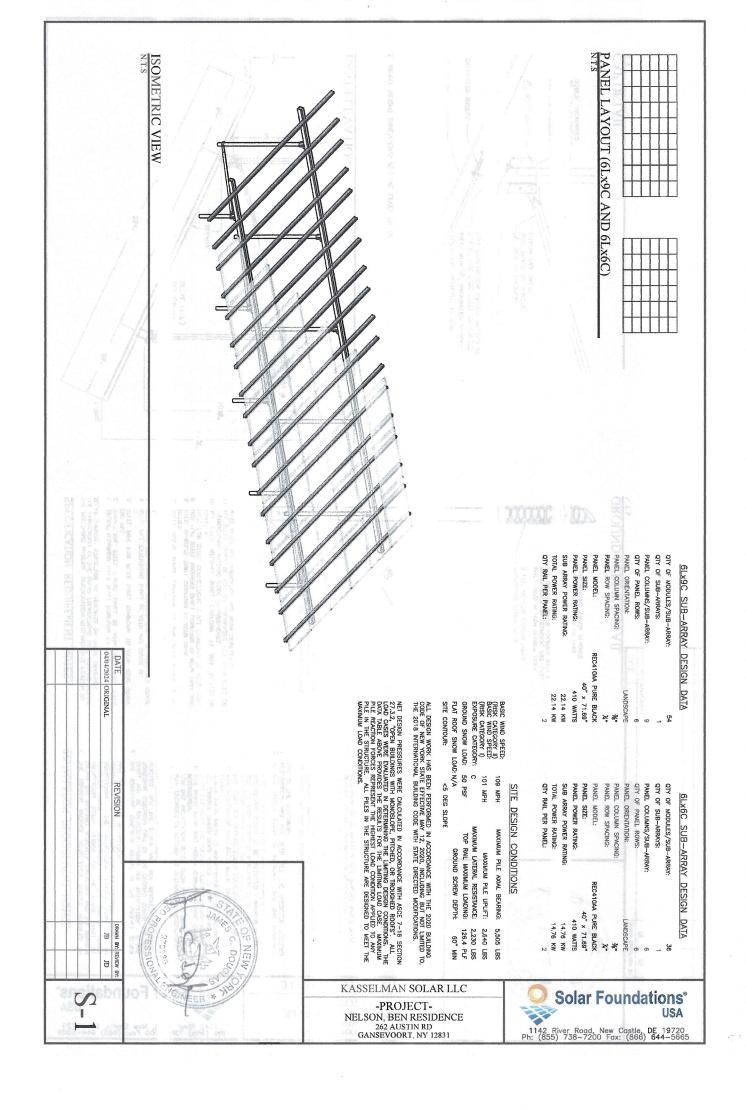


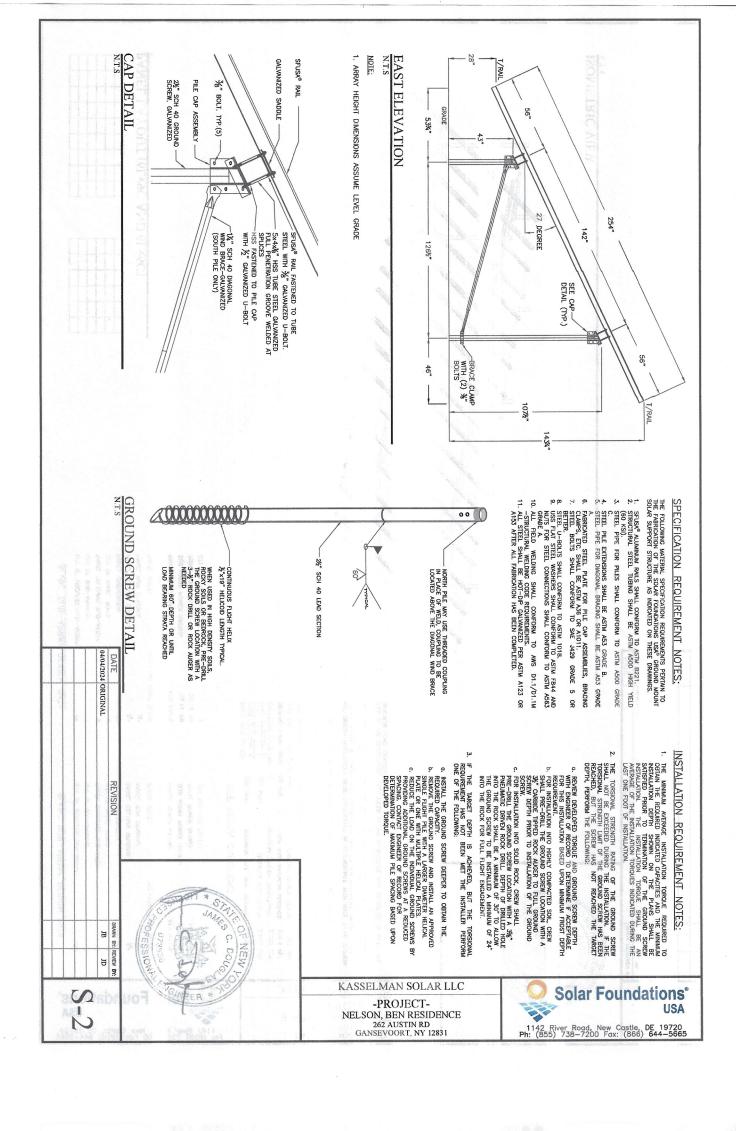
PV Design adheres to solar photovoltaic relevant sections of the 2020 Residential Code [R324] of NYS and 2020 Fire Code of NYS [1204]

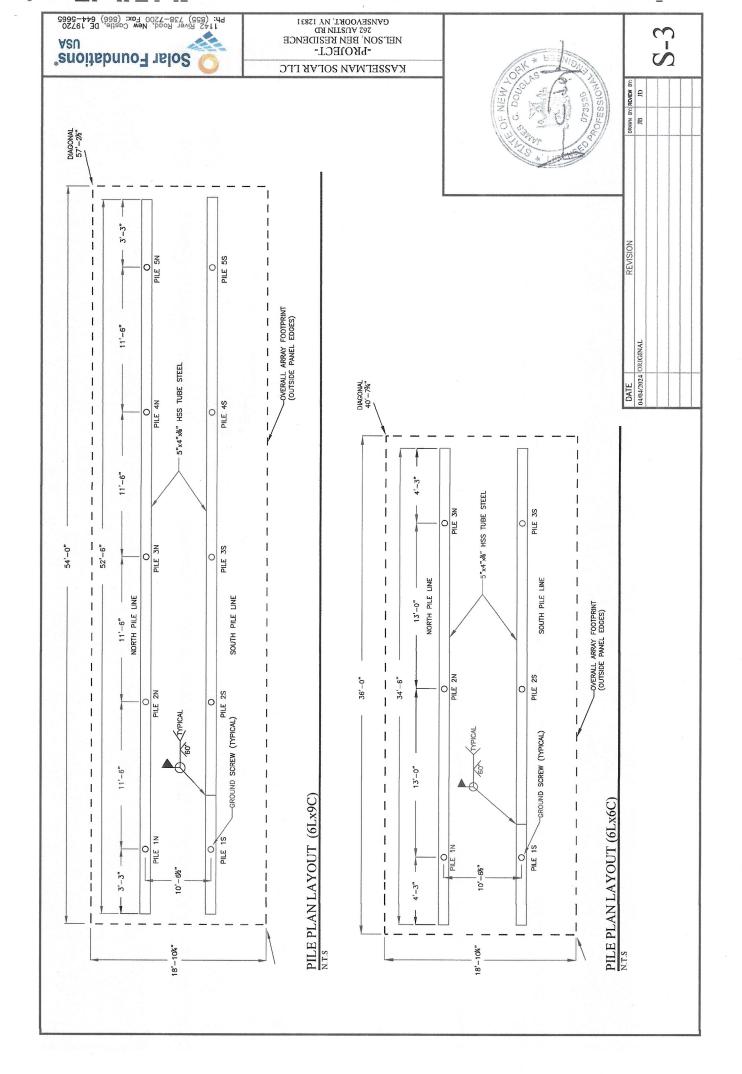
March 29th, 2024











SOLAR'S MOST TRUSTER



REC ALPHOOP
PURE SERIES
PRODUCT SPECIFICATIONS

COMPACT PANEL SIZE

410 WP 222 W/M2





EXPERIENCE

COC

PERFORMANCE

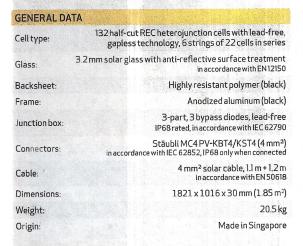
## REC ALPHA PURE SERIES

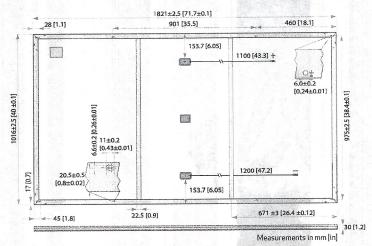
PRODUCT SPECIFICATIONS

STC

NMOT







	ELECTRICAL DATA		Proc	duct Code*:	RECxxxAA	Pure		
	Power Output - P <sub>MAX</sub> (Wp)	385	390	395	400	405	410	
	Watt Class Sorting - (W)	0/+5	0/+5	0/+5	0/+5	0/+5	0/+5	
	Nominal Power Voltage - V <sub>MPP</sub> (V)	41.2	41.5	41.8	42.1	42.4	42.7	
,	Nominal Power Current - I <sub>MPP</sub> (A)	9.35	9.40	9.45	9.51	9.56	9.61	
)	Open Circuit Voltage - V <sub>oc</sub> (V)	48,5	48.6	48.7	48.8	48.9	49.0	
	Short Circuit Current - I <sub>sc</sub> (A)	10,18	10.22	10.25	10.28	10.30	10.35	
	Power Density (W/m²)	208	211	214	216	219	222	
	Panel Efficiency (%)	20.8	21.1	21.4	21.6	21.9	22.2	
	Power Output - P <sub>MAX</sub> (Wp)	293	297	301	305	309	312	0.50
	Nominal Power Voltage - V <sub>MPP</sub> (V)	38.8	39.1	39.4	39.7	40.0	40.2	
	Nominal Power Current - I <sub>MPP</sub> (A)	7.55	7.59	7.63	7.68	7.72	7.76	
-	Open Circuit Voltage - Voc (V)	45.7	45.8	45.9	46.0	46.1	46.2	
	Short Circuit Current-I <sub>sc</sub> (A)	8.16	8.20	8.24	8.28	8,32	8.36	

Values at standard test conditions (STC: air mass AM 1.5, irradiance  $1000\,\mathrm{W/m^2}$ , temperature  $25^\circ\mathrm{C}$ ), based on a production spread with a tolerance of  $P_{\mathrm{MW}}$  V<sub>OC</sub> &  $I_{\mathrm{SC}}$  ±3% within one watt class. Nominal module operating temperature (NMOT: air mass AM 1.5, irradiance  $800\,\mathrm{W/m^2}$ , temperature  $20^\circ\mathrm{C}$ , windspeed 1 m/s). \* Where xxx indicates the nominal power class ( $P_{\mathrm{MW}}$ ) at STC above.

MAXIMUM RATINGS					
Operational temperature:	-40+85°C				
Maximum system voltage:	1000 V				
Maximum test load (front): +7000 Pa (713 kg					
Maximum test load (rear):	-4000 Pa (407 kg/m²)*				
Max series fuse rating:	25 A				
Max reverse current:	25 A				
*See installation ma Design loa	anual for mounting instructions d = Test load / 1.5 (safety factor)				

	Standard	RECE	ProTrust
Installed by an REC Certified Solar Professional	No	Yes	Yes
System Size	All	≤25 kW	25-500 kW
Product Warranty (yrs)	20	25	25
Power Warranty (yrs)	25	25	25
Labor Warranty (yrs)	0	25	10
Power in Year 1	98%	98%	98%
Annual Degradation	0.25%	0.25%	0.25%
Power in Year 25	92%	92%	92%

## CERTIFICATIONS

IEC 61215:2016, IEC 61730:2016, UL 61730 IEC 62804 PID IEC 61701 Salt Mist IEC 62716 Ammonia Resistance ISO 11925-2 Ignitability (Class E) IEC 62782 Dynamic Mechanical Load IEC 61215-2:2016 Hailstone (35mm) Lead-free acc. to RoHS EU 863/2015 IFC 62321

ISO 14001, ISO 9001, IEC 45001, IEC 62941









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44°C (±2°C) Nominal Module Operating Temperature: Temperature coefficient of P<sub>MAX</sub>: -0.26 %/°C Temperature coefficient of V<sub>oc</sub>: -0.24 %/°C 0.04 %/°C Temperature coefficient of I<sub>sc</sub>:

\*The temperature coefficients stated are linear values

DELIVERY INFORMATION	
Panels per pallet:	33
Panels per 40 ft GP/high cube container:	792 (24 pallets)
Panels per 13.6 m truck:	924 (28 pallets)
Panels per 53 ft truck:	891 (27 pallets)

## LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:

