



SITE PLAN
THOMAS SEIER GROUND MOUNTED SOLAR SYSTEM

APPLICANT:
 Kasselmann Solar LLC
 279 Broadway
 Menands, NY 12204

ON BEHALF OF:
Thomas Seier
 15 Nichris Ln.
 Staatsburg, NY 12580

July 27, 2021

SHEET 1 of 2

SITE DATA
TOWN OF HYDE PARK
DUTCHESS COUNTY, NEW YORK

LOT ID # 434937
Land Use Class: (210) - Residential: One Fam.
Year-Round Residence
TOTAL ACRES: 5.09 Ac (S) ZONING DISTRICT:
GB-GREENBELT
Deed Book: 22020; Deed Page: 52577
Residential Dwelling: 5,000 sq. ft.

File Map: 8115; Agri. Dist.: (0); File Lot #: 6
School District: (133201) Hyde Park Central School District
Split Town Staatsbrg Library ; Staatsburg Fire

		Greenbelt as GB
Height	Building accessory structure	Maximum 35 feet
		Maximum 22 feet
Size	Dwelling unit	Least dim. 16 feet
		Minimum floor area 400 square feet
Coverage	Impervious	Maximum 15%
Yards ² (setbacks)	Front ¹	Minimum 50 feet
	Side ²	Minimum 25 feet
	Rear	Minimum 50 feet
One shed (setbacks)	Front	Minimum 50 feet
	Side	Minimum 5 feet
	Rear	Minimum 5 feet
Scale (psf)		
Maximum average density		0.4 DU/A ¹ (2.5 A/DU)

LEGEND:

Ground Mount Solar Array:

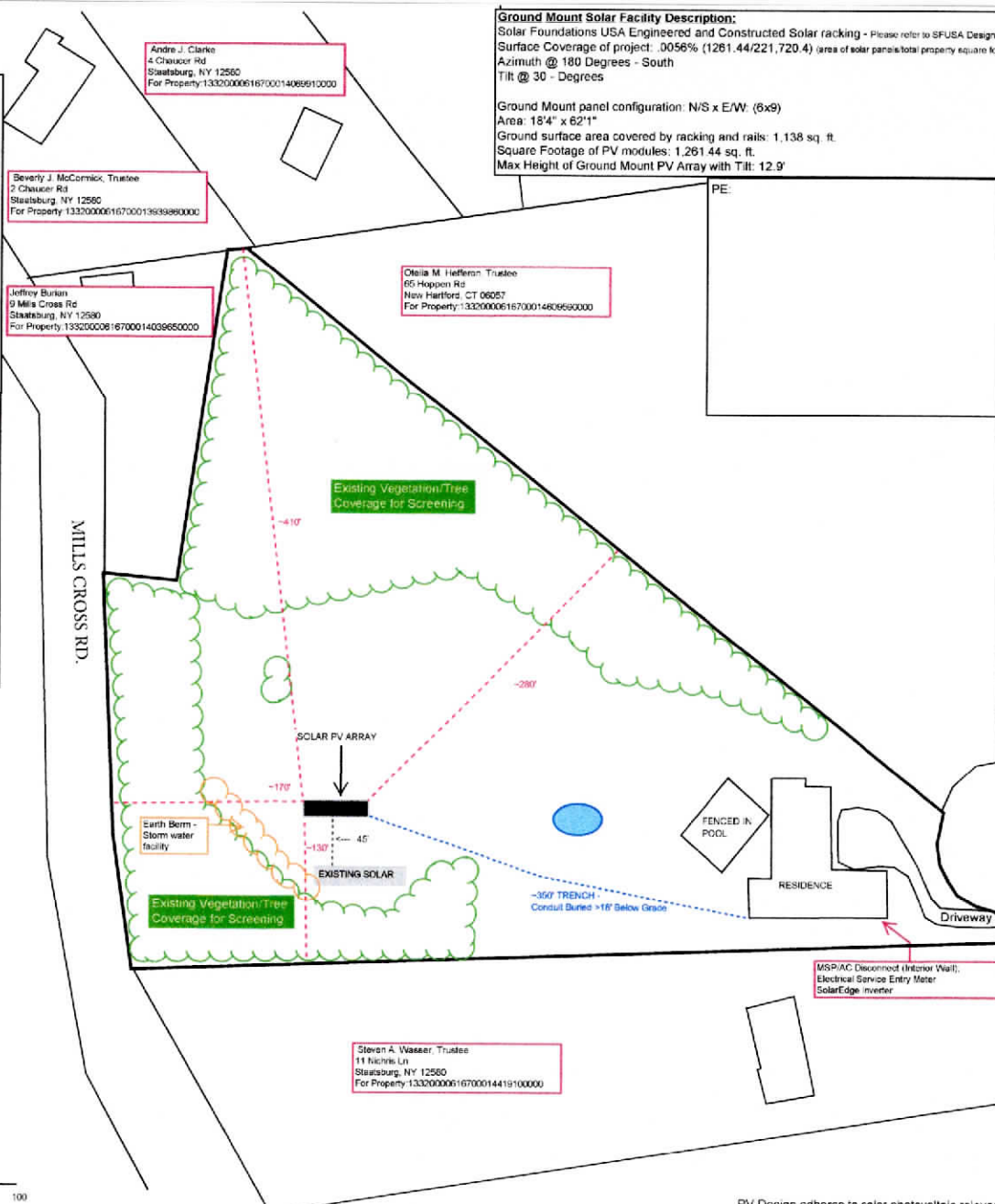
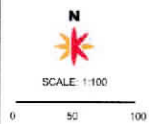
Property Lines:

Setbacks:

Trench Path:

Septic/Leach Field:

Vegetation/Tree Coverage:



Ground Mount Solar Facility Description:
 Solar Foundations USA Engineered and Constructed Solar racking - Please refer to SFUSA Design and specifications attached.
 Surface Coverage of project: .0056% (1261.44/221,720.4) (area of solar panels/total property square footage)
 Azimuth @ 180 Degrees - South
 Tilt @ 30 - Degrees
 Ground Mount panel configuration: N/S x E/W: (6x9)
 Area: 18'4" x 62'1"
 Ground surface area covered by racking and rails: 1,138 sq. ft.
 Square Footage of PV modules: 1,261.44 sq. ft.
 Max Height of Ground Mount PV Array with Tilt: 12.9'

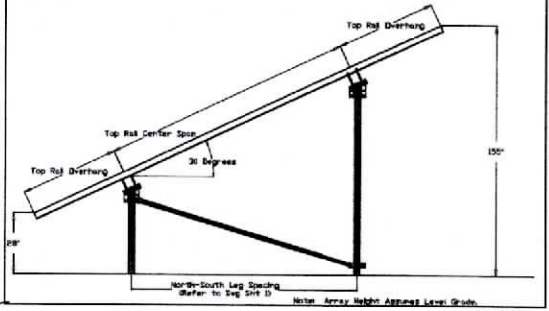
Installation Details:
SYSTEM SIZE kW (DC): 149.4 kW
 54 LONGI LR4-72HPH-440W Modules
 54 SOLAREDGE P505 POWER OPTIMIZERS
 2 SOLAREDGE 10 kWHD WAVE INVERTERS
 SOLAR FOUNDATIONS GROUND SCREWS
 *Disturbed soils shall be landscaped accordingly with grass seed

Site Design Conditions

Basic Wind Speed: 115 MPH (Risk Category II)	Max. Leg Axial Bearing: 4,535 lbs.
Basic Wind Speed: 105 MPH (Risk Category I)	Max. Leg Uplift: 1,950 lbs.
Exposure Category: B	Max. Lateral Resistance: 1,965 lbs.
Ground Snow Load: 40 PSF	Top Rail Max. Loading: 114.3 plf
Flat Roof Snow Load: N/A (if applicable)	Helical Pile Depth: 60" Min
Site Contour: <3 Degree Slope	Lateral Resistance Pile Size: Not Req'd

All design work has been performed in accordance with the 2020 Building Code of New York State effective May 12, 2020, including but not limited to, the 2018 International Building Code with state directed modifications.

Net design pressures were calculated in accordance with ASCE 7-16 section 27.4.3, "Open Buildings with Monoslope, Pitched, or Traughed Roofs". All load cases were evaluated in determining the limiting design conditions. The data table above provides the results for the limiting load case. Maximum leg reaction forces represent the highest load condition seen by any leg in the structure. All legs in the structure are designed to meet the maximum load conditions.



TOWN OF HYDE PARK PLANNING BOARD SITE PLAN APPROVAL, HYDE PARK, NEW YORK

SITE PLAN APPROVED BY RESOLUTION # _____ OF THE PLANNING BOARD OF THE TOWN OF HYDE PARK, DUTCHESS COUNTY, NEW YORK, THIS _____ DAY OF _____, 20____. SUBJECT TO ALL REQUIREMENTS AND CONDITIONS OF SAID RESOLUTION. ANY CHANGE, ERASURE, MODIFICATION, OR REVISION OF THIS SITE PLAN AS APPROVED SHALL VOID THIS APPROVAL.

THIS APPROVAL SHALL BE VALID FOR A PERIOD OF ONE YEAR AND MUST BE COMPLETED WITHIN TWO YEARS OF THE SIGNATURE DATE BELOW. AN EXTENSION MAY BE GRANTED PURSUANT TO SECTION 106-9.6 A OF THE CODE OF THE TOWN OF HYDE PARK. THE APPLICANT SHALL SUBMIT A WRITTEN REQUEST 30 DAYS PRIOR TO THE EXPIRATION, REQUESTING AN EXTENSION FOR A SPECIFIED TIME AND THE REASON THEREFOR.

SIGNED THIS _____ DAY OF _____, 20____.

PLANNING BOARD _____ CHAIR, HYDE PARK

TOWN OF HYDE PARK PLANNING BOARD APPROVAL OWNER/APPLICANT SIGNATURES

THE UNDERSIGNED APPLICANT OF THE PROPERTY AND THE UNDERSIGNED OWNER OF THE PROPERTY HEREON, STATE THAT THEY ARE FAMILIAR WITH THIS MAP, ITS NOTES AND ITS CONTENTS, AND HEREBY CONSENT TO ALL SAID TERMS AND CONDITIONS AS STATE HEREON. THE APPLICANT AND OWNER UNDERSTAND THEIR OBLIGATION TO THE TOWN TO KEEP THIS SITE AS PER SITE PLAN APPROVAL BY THE TOWN PLANNING BOARD UNTIL A NEW OR REVISED SITE PLAN IS APPROVED FOR THE SITE. THE APPLICANT AND OWNER UNDERSTAND THEIR OBLIGATION TO THE TOWN NOT TO OCCUPY THE PREMISES BEFORE A CO IS ISSUED BY THE TOWN BUILDING DEPARTMENT.

_____ OWNER DATE _____

_____ APPLICANT DATE _____

Steven A. Wasker, Trustee
 11 Nichris Ln
 Staatsburg, NY 12580
 For Property: 13320000616700014419100000

MSPAC Disconnect (Interior Wall);
 Electrical Service Entry Meter;
 SolarEdge inverter

PE:

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