New Search	Assessm	ent Postcard	Pro	operty Car	d							
	128	Prop Loc:		CEAN PAT		Owner:	KF	-RNS	THOMAS	E & HARGRAVE, JEANM	AR Square F	t· 2522
	7	District:			NE TOWNSHIP	Street:			AND RO	•	Year Buil	
Qual:	•	Class:	2	,5 NEI 101	TE TOWNSHIE				/OOD, NJ	=	Style:	5
Quant.						•	tional				33,131	
Prior Block:	7	Acct Num:	000	01452		Addl Lot	ts:				EPL Code	:: 0 0 0
Prior Lot:	493	Mtg Acct:				Land De	esc: 30)X88			Statute:	
Prior Qual:		Bank Code	e: 0			Bldg De	sc: 2.	5S-F-	1DG-1U		Initial:	000000 Further: 00000
Updated:	10/28/19	Tax Codes	: F02			Class4C	:d: 0				Desc:	
Zone:	HD-O	Map Page:	:			Acreage	: 0				Taxes:	31371.69 / 31177.32
						S	ale Inf	ormat	ion			
Sale Date:	08/04/15	Book:	912	26 Page: 5	5420	Price:	14	10000	0 NU#:	0		
Sr1a		Date	Book	Page	Price	NU#	Ra	atio			Grantee	
More Info	08/04	/15 9	126	5420	1400000	'	71.0)5	KERNS,	THOMAS E & HARGRAVE	, JEANMAR	
						TA	X-LIST	T-HIST	ORY			
								D	roperty			
Year	Owne	er Informati	on		Land/Imp/Tot	exemption	Asses	ssed	Class			
2020 KERNS	S, THOMAS	E & HARGR	AVE, I	JEANMAR	675600	0	1423	8600	2			
48 OA	KLAND ROA	AD.			748000							
	WOOD, NJ				1423600							
2019 KERNS	STHOMAS	F & HARGR	Δ\/F ·	1FΔNMΔR	675600	0	1475	500	2			
	KLAND ROA		, , , , ,)	799900	· ·	1173	,500	_			
	EWOOD, NJ				1475500							
MAFEE	LWOOD, NJ	07040			1475500							
2018 KERNS	THOMAC	E O HADOD	۸\/E :	IEANIMAD.	675600	0	1469	1400	2			
	•		AVE, .	JEANMAK		U	1409	400	2			
	KLAND ROA				793800							
MAPLE	WOOD, NJ	07040			1469400							
		E O LIADOD	۸ ۱ ۱ -		664300	0	1200	200	2			
2017 KERNO						()	1399	12UU	2			
2017 KERNS	•		AVE, .	JEANMAK		O	1000		_			
48 OAI	S, THOMAS KLAND ROA EWOOD, NJ	AD	AVE, .	JEANMAK	734900 1399200	Ü	1000		_			

^{*}Click on Underlined Year for Tax List Page

^{*}Click Here for More History

Deborah Osepchuk, Chair Lucinda Heinlein, 1st Vice Chair Leonard J. Steen, 2nd Vice Chair Steven R. Tombalaklan, Esq., HPC Attorney Ronald D. Cucchiaro, Esq., HPC Attorney Dawn Crozier, Administrative Officer Kristie Dickert, Secretary



Douglas MacMorris, Member Jeffery Rudell, Member Jenny Shaffer, Member Joseph Wierzbinsky, Member Douglas McKeon, Alternate No. 1 Linda Henderson, Alternate No. 2

OFFICE OF THE HISTORIC PRESERVATION COMMISSION

25 Neptune Boulevard Neptune NJ 07753 (732) 988-5200 x. 204 Fax (732)988-4259 kdickert@neptunetownship.org

June 8, 2020

Sent Via Email

Jennifer Cordasco c/o Vivint Solar 687 Prospect Street, Unit 480 Lakewood, NJ 08701

RE: HISTORIC PRESERVATION COMMISSION APPLICATION NO. HPC2020-116
BLOCK 128, LOT 7 ALSO KNOWN AS 8 OCEAN PATHWAY

Dear Applicant:

Please be advised the above mentioned application has been reviewed for completeness and the Application Review Team (Review Team) has determined that this application cannot be administratively approved. Therefore, you are hereby notified that your application has been scheduled for a virtual public hearing before the Historic Preservation Commission. Your application has been scheduled for a virtual public hearing/meeting on **Tuesday**, **July 14**, **2020** at **7:00 PM**. The meeting will be held virtually via Zoom. Log-in and Participant information is as follows:

Topic: Historic Preservation Commission Regular Meeting Time: Jul 14, 2020 07:00 PM Eastern Time (US and Canada)

Join Zoom Meeting https://us02web.zoom.us/j/87051472922?pwd=VjRyclZWaWhDVVdiWHM3KzRtSzQ0UT09

Meeting ID: 870 5147 2922

Password: 027038 One tap mobile

+16465588656,,87051472922#,,1#,027038# US (New York)

+13017158592,,87051472922#,,1#,027038# US (Germantown)

Dial by your location

- +1 646 558 8656 US (New York)
- +1 301 715 8592 US (Germantown)
- +1 312 626 6799 US (Chicago)
- +1 346 248 7799 US (Houston)
- +1 669 900 9128 US (San Jose)
- +1 253 215 8782 US (Tacoma)

Meeting ID: 870 5147 2922

Password: 027038

Find your local number: https://us02web.zoom.us/u/khKdzLynB

Preliminary Review Notes

Below, please find the Application Review notes. Please understand that this is a preliminary review. It includes, but is not limited to, the observations on the following pages concerning your project. In no event shall this preliminary review constitute an approval. Neither the Applicant nor the Review Team is bound by this review. Also, these comments do not preclude additional information requests, comments, or concerns from HPC members before or at the virtual hearing/meeting. The Applicant and/or the Representative of the Applicant should carefully review the notes below and be prepared to discuss these items.

Description of Work:

"Installation of flush roof mounted solar panels (12) located on detached structure behind home. Panel specs are attached."

Classification:

According to the Assessor's records, the subject structure was constructed in 1988; this property is classified as an "Other" Structure by date. "Other" structures include those dwellings constructed after 1941. These may not specifically contribute to the overall historic styles or craftsmanship of preceding historic dwellings, but, as part of the Historic District of Ocean Grove, are subject to review based on Ocean Grove Historic District Architectural Guidelines for Residential Structures. As per the Design Guidelines, Section I, Subsection B, p. 2: "All exterior work performed on or around any existing or proposed single family, townhouse, multi-family residential, religious or recreational structure within the Ocean Grove Historic District is subject to and must comply with the standards and intent of Ocean Grove Historic District Architectural Guidelines for Residential Structures".

Compliance Issues:

- Solar panels that are visible to public view. Please review the following section of the current Design Guidelines and be prepared to discuss:
 - Section IV, Subsection M, of the Ocean Grove Historic District Architectural Guidelines for Residential Structures, p. 26-27: "Satellite dishes seriously detract from the characteristics of the District. Solar panels present a similar intrusion and usually constitute an even larger visual problem as do antenna towers. Property Owners of all residential buildings, whether undergoing repair, restoration, renovation, alteration, new construction or addition, or not, should (note): The placement of TV Satellite and all other visually offensive mechanical HVAC devices on roofs in a manner visible to public view is unacceptable."

A site visit is necessary to determine visibility. Please be advised that for purposes of a thorough review during the site visit, you are asked to position at least one panel temporarily in its proposed location; this location should be the most prominent / most likely visible position.

ADDITIONAL REQUEST:

- 1. Color photos of the front of the house and of the proposed location of the panels must be submitted.
- Please contact this office to schedule the above-referenced site visit at least 10 days prior to your scheduled hearing date.

PLEASE PROVIDE THIS OFFICE WITH ELEVEN (11) COPIES OF THE PLANS AS WELL AS ELEVEN (11) COLOR COPIES OF ANY PHOTOS AND/OR CATALOG CUTS THAT HAVE BEEN REQUESTED AND/OR SUBMITTED IN CONNECTION WITH THIS APPLICATION AT LEAST 10 DAYS PRIOR TO YOUR SCHEDULED HEARING DATE.

If any changes are made to your application after you have been placed on the agenda, or if you fail to produce any of the items requested by the Commission, your hearing will be deferred to the next available meeting.

It is highly recommended that you attend this virtual hearing in order to address any questions or concerns the Commission may have. An Architect, Contractor, or Attorney may accompany you, or you may appoint a representative in the event you are unable to attend/participate. Please be advised, your absence or lack of participation in the virtual meeting may cause your application to be deferred.

For your convenience, the Ocean Grove Historic District Guidelines for Residential Structures can be found online at www.neptunetownship.org.

The HPC thanks you for your cooperation and support in maintaining the integrity and character of the Ocean Grove, a registered National and State Historic District. Should you have any further questions or concerns please feel free to contact me at (732) 988-5200, extension 278 or via email kdickert@neptunetownship.org.

Cordially,

Kristie Dickert HPC Secretary

NOH-HPC Application 2020-116



Historic Preservation Commission

HISTORIC PRESERVATION PHONE 732-988-5200 FAX 732-988-4259

Application #: HPC 2020-116

HPC APPLICATION (Revised August 2018)

Application Date: _

5/27/2020

Certif	icate of Appropriatenes	s Application
* * * * * * * * * * * * * * * * * * *		
☐ AC UNIT	☐ GATE	RAILINGS
□ ADDITION	☐ GENERATOR	RETAINING WALL 28
□ ARBOR	☐ GUTTERS & LEADERS	ROOF
□ AWNING	☐ HOT TUB	SATELLITE DISH
BALCONY	□ LATTICE	U SHED PREFILME TOWNSHIP
□ CHIMNEY	☐ LIGHT FIXTURE	□ SHUTTERS
□ COLUMNS	□ NEW CONSTRUCTION	□ SIDING
□ DECK	□ ORNAMENTATION	□ SIGN
□ DOOR REPLACEMENT	OUTDOOR SHOWER	☐ SKYLIGHT
□ DRIVEWAY	PAINT	STAIRS
□ EXTERIOR ALTERATIONS	PATIO	U STAIRS
☐ FENCE	□ PIERS	□ WALKWAY
☐ FLAGS / BANNERS	PORCH	☐ WINDOWS
☐ FOUNDATION	. D PORCH FAN	- WINDOWS
OTHER		
Please complete this applicatio		
or any other useful references for additional information or copies o PROPERTY IDENTIFICATION	f your application and other submitted do	
ADDRESS: 8 OCEAN	PATHWAY OCEAN GROV	E NJ 07756
BLOCK: /28	LOT:	QUALIFIER:
OWNER INFORMATION	100 . 5-1 . 10.6	11.800000
NAME(S): THOMAS	KERNS + JEANMARIE	MARCRAVE
ADDRESS: 3 OCEAN	PATHWAY OCEAN GROVE	NJ 07756
PHONE: _	_ EMAIL: _	
APPLICANT INFORMATION -		
Check if same as Owner		
NAME(S): & knowfer (Pordasco company:	Vivint Solar
ADDRESS: 687 Proso	1 = 1 11 : 1 1100	Lewood, NJ, 08701
PHONE: 432.366.53		
	OTHER THAN OWNER (Check one):	
Diagram DiAgent DiArchite		
Lessee d'Agent d'Archite	ect Contractor Attorney Oth	er:Page 1 of 2

PROPERTY INFORMATION PROPERTY TYPE (Check one):
Single Family Multifamily: Units Commercial Condo Mixed Use
ARCHITECTURAL PERIOD / YEAR BUILT: 1988 ARCHITECTURAL STYLE: Faux Victorial
Does your project include demolition of 15% or more of exterior of existing structure? YES YOU If YES: you must apply for a Demolition Permit prior to applying for a Certificate of Appropriateness.
Do you have Zoning Department approval for this project? TYES INO IN/A ZONING PERMIT ID# (from Zoning Permit): 55 2 450 700 DATE APPROVED 13 2000 Please Note: If Zoning approval is required for the work described on your application, your application will remain incomplete until Zoning approval is received. Incomplete applications will not be accepted.
materials to be used. Attach additional pages if necessary. Installation of flush roof mounted polar panels (12) Located on detached structure be had home. Panel Spece are attached.
 By signing this application, the Applicant and Owner agree to the following: Property site visits by Neptune Township Staff, HPC Members and HPC Professionals until the project has been deemed to be complete.
The information herein is correct and complete to the best of your knowledge.
 The HPC or HPC Application Review Team may require additional information for your application to be considered complete.
By signing this application, the Owner authorizes the listed Applicant to appear as their representative at a public hearing before the Commission.
Thomas Kerrs Jeanmane Hagrave Jennier Words O VIVITSON APPLICANT NAME - Please PRINT
The Olympan Hover MM
OWNER SIGNATURE APPLICANT SIGNATURE
4/20/2020
DATE



Lehi, UT 84043

Phone: 877.404.4129 | Fax: 801.765.5758

Amendment for HPC Application: 2020-116 8 Ocean Pathway, Ocean Grove, NJ,07756

vivint. solar

July 29th,2020

To whom it may concern,

The following changes have been made to the above referenced application: Added 2 panels on the same roof section. Attached are the following documents: Zoning approval with the 2 additional panels, panel layout and design drawings. I hope this will suffice the requirements. Thank you.

Thank you,

Jennifer Cordasco

Field Project Manager

NJ-04 Office

jennifer.comiskey@vivintsolar.com C:609.389.0029 • O: 732.366.5322



Fee Date: 07/15/2020 Check #: 8830 Cash: 0

ZONING PERMIT

ID: 552710110	1	Date: 07/23/2020	Fee: \$	35.00
PROPOSED WORK				
Adding a New Use	to a Property	Home Occupation		Private Garage
Air Condensor Uni		Interior Remodel -	Comm / Res	Residential Addition
Commercial Addition	on	New Accessory St	ructure	Signs
Continuing/Changir	ng Use	New Commercial E	Business	Solar
Deck/Balcony		New Ownership of	Property/Business	Storage Shed
Driveway / Sidewall	k / Apron	New Residence		Swimming Pool/Hot Tub
Fence/Retaining W	⁄all	Porch		Zoning Determination
Other:				
Street Addre 2. Applicant Na	THEN THIS A	REQUESTED INFORM APPLICATION SHALL The zoning permit is des THWAY Block: 128 Lo AR DEVELOPER LLC DSPECT ST UNIT 480	BE RETURNED UNPI	Fax No.
3. Property Ow	ner Name: KERN	S, THOMAS E & HARO	GRAVE, JEANMAR P h	none No. Fax No.
Property Ow	ner's Address: 4	8 OAKLAND ROAD MA	PLEWOOD, NJ 07040)
Email:				
4. Present App	roved Zoning Us	e of the Property: Deta	ached Single Family Re	esidence
5. Proposed Zo	ning Use of the l	Property: Detached Sir	ngle Family Residence	
6. Describe in d describe in d use.	letail the activity etail the dimens	or activities you are p ion and setbacks. If yo	roposing. If you are pour are pour are proposing a us	proposing construction, then se, then describe the proposed

"Installation of roof mounted solar panels. Unirac Settings (see attached Structural Letter)"

7... Has the above referenced premises been the subject of any prior application to the ZONING BOARD OF ADJUSTMENT or PLANNING BOARD?

Yes No V If Yes, state date:

Board: Resolution # (if any): (submit a copy of the Resolution)

8. For all exterior work pertaining to additions and accessory structures, excluding fences, please provide:

Building Coverage: 0

Lot Coverage: 0 (Please include calculations)

40:55D-68.3.Penalty for false filing. Any person who knowingly files false information under this act shall be liable to a civil penalty not to exceed \$1,000 for each filing. any penalty imposed under this section may be recovered with costs in a

summary proceeding pursuant to "the penalty enforcement law," N.J.S.2A:58-1 et seq.

------FOR OFFICE USE------

Zoning Review Notes:

07/23/2020 This zoning permit application consists of:

- One (1) copy of the Zoning Permit Application.
- One (1) copy of the signed and sealed letter of correspondence from J. Matthew Walsh, PE.
- Two (2) copies of the Photovoltaic System Specifications.

The property is located within the HD-O Zoning District. The present zoning use of the property is a Detached Single Family Residence.

The applicant describes the proposed work in detail:

"Installation of roof mounted solar panels. Unirac Settings (see attached Structural Letter)"

The applicant does not describe all proposed work and structures as defined by the Land Development Ordinance in the detailed description and in the submitted plans.

In reviewing the submitted application, it appears the applicant is proposing work in reference to:

- Residential Addition

RESIDENTIAL ADDITION:

ZONING NOTES:

- The applicant indicates the proposed construction of roof mounted solar panels. The applicant indicates the proposed solar panels to project no more than 6" from the outer most portion of the roof to the outer most portion of the solar panel.

The applicant is approved zoning for the construction indicated in the above ZONING NOTES only. The above indicated zoning approved construction, shall be constructed as indicated on the stamped approved zoning plans. Any deviations shall void this zoning approval.

Construction Department approval is required.

- * Returned to the applicant
- One (1) copy of the Zoning Determination.
- One (1) copy of the Photovoltaic System Specifications.

Status

Approved M

Denied

Referrals

Construction 🦃

HPC Engineering Planning Board Zoning Board Mercantile Code Enforcement

GOVERNING CODES

ALL WORK SHALL CONFORM TO THE FOLLOWING CODES

- 2017 NATIONAL ELECTRICAL CODE
- 2018 INTERNATIONAL BUILDING CODE
- 2018 INTERNATIONAL PLUMBING CODE 2018 INTERNATIONAL RESIDENTIAL CODE
- ANY OTHER LOCAL AMENDMENTS

SHEET INDEX:

PV 0.0 - COVER SHEET

PV 1.0 - SITE PLAN

- S 1.0 MOUNT DETAILS
- E 1 ELECTRICAL DIAGRAM
- E 2 ELECTRICAL NOTES
- E 3 WARNING LABELS
- E 4 WARNING LABEL LOCATIONS

GENERAL ELECTRICAL NOTES

GENERAL STRUCTURAL NOTES

- ALL WIRING MUST BE PROPERLY SUPPORTED BY DEVICES OR COMPLETELY HELD OFF OF THE ROOF SURFACE. ROOF-MOUNTED SYSTEMS, WIRING MUST BE PERMANENTLY AND MECHANICAL MEANS DESIGNED AND LISTED FOR SUCH USE. FOR
- 2. ANY CODE VIOLATIONS EVIDENT IN THE INTERCONNECTION PANEL WILL BE CORRECTED ON INSTALLATION.
- 3. SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL RELEVANT CODE
- 4. RAPID SHUTDOWN INITIATION TAKES PLACE WITHIN THE FIRMWARE OF THE INVERTER. RAPID SHUTDOWN COMMENCES
- SEE *E 1.0 AND *E 2.0 FOR DIAGRAMS, CALCULATIONS, SCHEDULE AND SPECIFICATIONS

GROUND SNOW LOAD = 30 psf

ROOF LIVE LOAD = 20 psf TYPICAL, 0 psf UNDER NEW PV SYSTEM

FRAMING SYSTEM.

ROOF FRAMING.

THE PROPOSED PV SYSTEM ADDS 3.0 psf TO THE ROOF

UNLESS NOTED OTHERWISE, MOUNTING ANCHORS SHALL BE

% LAG SCREWS WITH A MINIMUM OF 2% PENETRATION INTO

MOUNTING FEET ARE TO BE SPACED AS SHOWN IN THE

FRAMING USING THE ROCK-IT SYSTEM BY ECOFASTEN. THE THE SOLAR PANELS ARE TO BE MOUNTED TO THE ROOF

DETAILS, AND MUST BE STAGGERED TO ADJACENT FRAMING

MEMBERS TO SPREAD OUT THE ADDITIONAL LOAD.

- WIND SPEED = 125 mph
- EXPOSURE CATEGORY = B

UPON LOSS OF UTILITY SOURCE VOLTAGE.

SPECIFICATIONS: PHOTOVOLTAIC SYSTEM

INTERCONNECTION METHOD - LOAD BREAKER INVERTER - (1) SOLAREDGE TECHNOLOGIES SE3800H-US MODULE DIMENSIONS - (L/W/H) 63.82"/ 43.94"/ 1.57" MODULE TYPE & AMOUNT - (14) SOLARIA POWERXT-370R-PD SYSTEM SIZE - 5.180kW DC | 3.800kW AC



1800 ASHTON BLVD. LEHI, UT, 84043

NJ LICENSE: 1.877.404.4129 HIC-13VH06589300 EC-34EB0189700

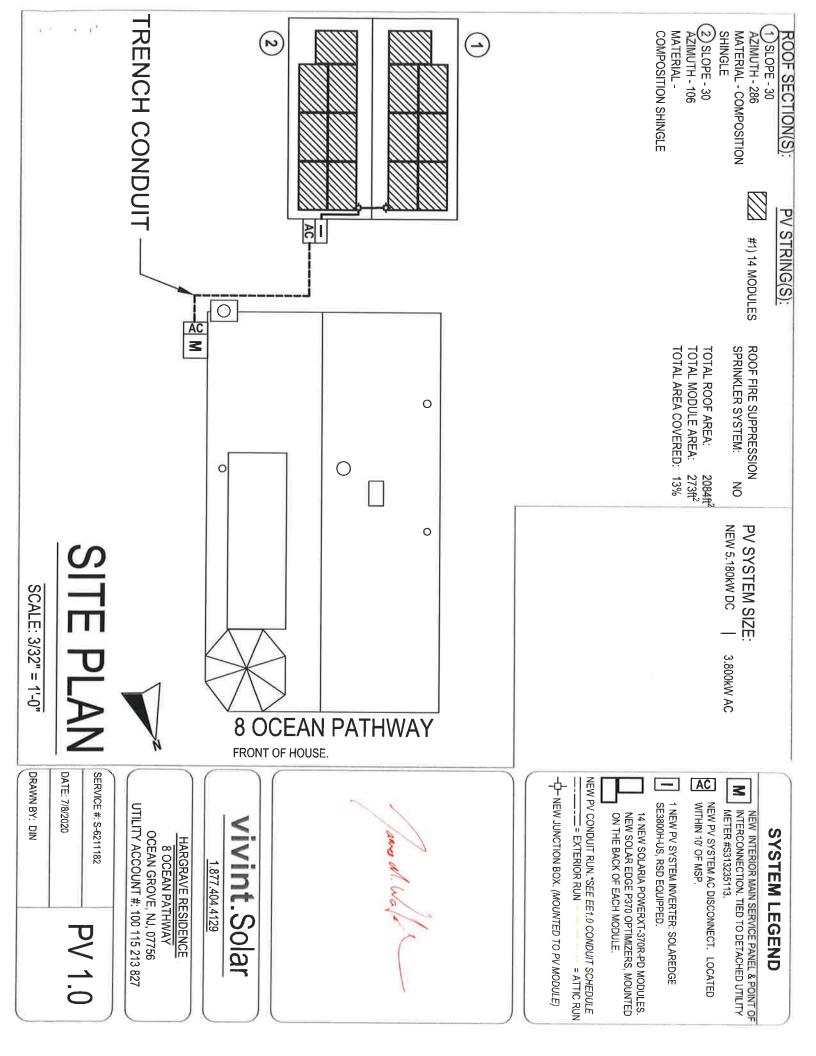
HARGRAVE RESIDENCE 8 OCEAN PATHWAY

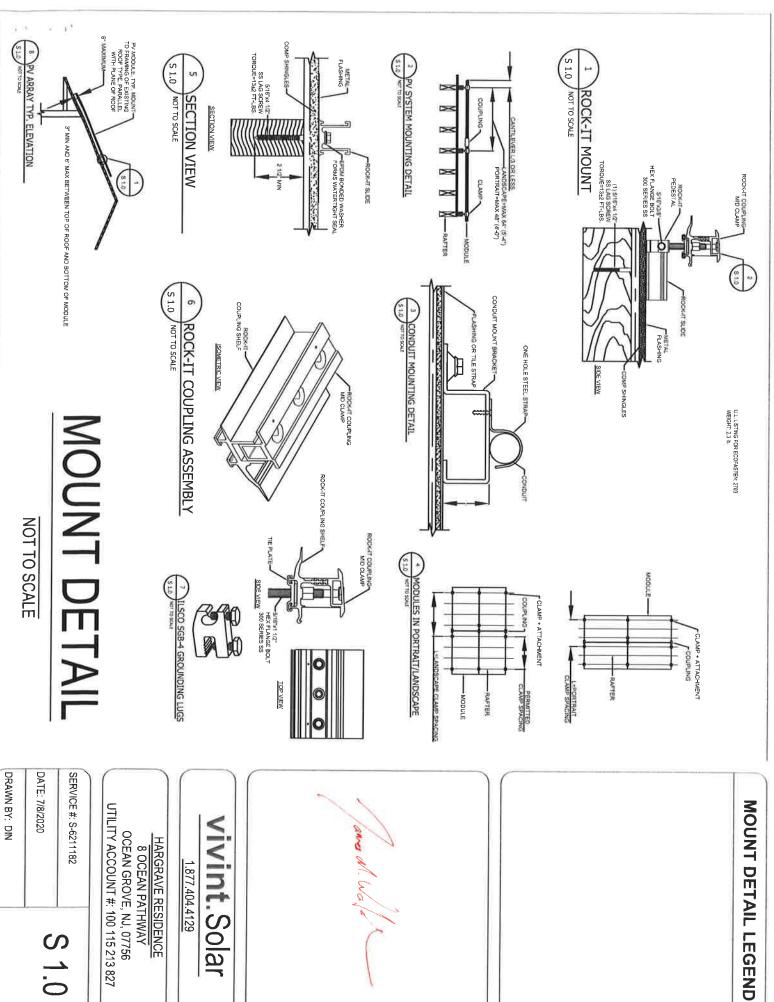
UTILITY ACCOUNT #: 100 115 213 827 OCEAN GROVE, NJ, 07756

DATE: 7/8/2020 SERVICE #: S-6211182

DRAWN BY: DIN

SHEET COVER





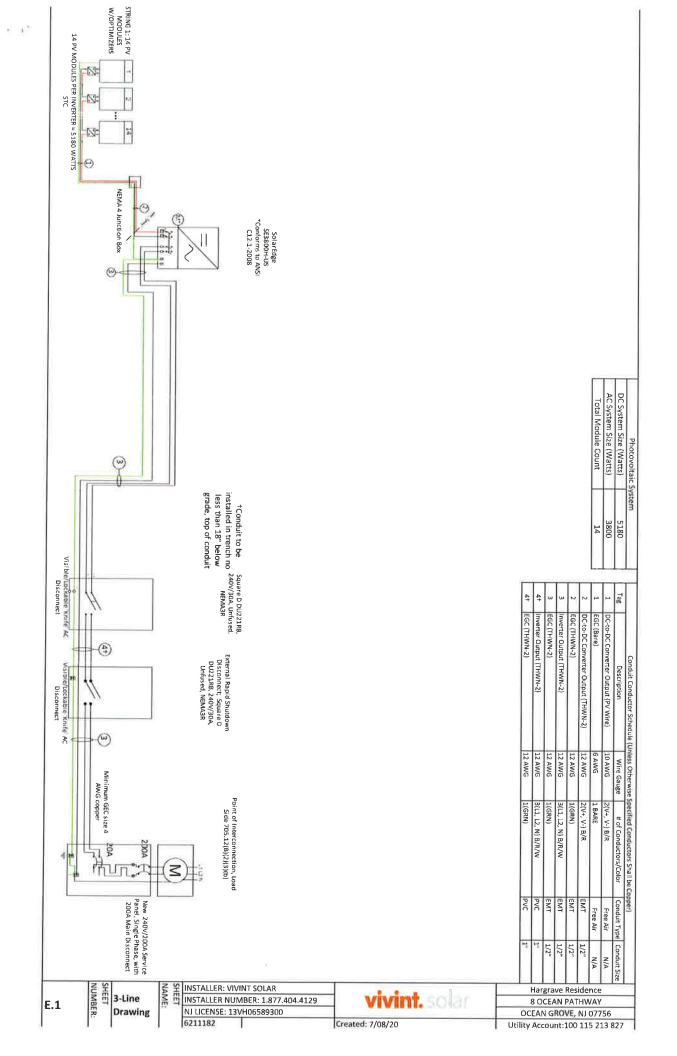
SERVICE #: S-6211182

OCEAN GROVE, NJ, 07756 8 OCEAN PATHWAY vivint.Solar

1.877.404.4129

DATE: 7/8/2020

S 1.0



17.5 A/20 ms		Max Output Fault Current
45 Amps	45	Input Short Circuit Current
Amps	10,5	DC Max Input Current
Amps	16	Cont, Max Output Current
Volts	240	AC Operating Voltage
%	99	CEC Efficiency
E3800H-US	SolarEdge SE3800H-US	Inverter Make/Model
uments.	dent, See SE doc	Max, string rating inverter dependent, See SE documents
15 Amps	15	DC Max. Output Current
Amps	13,75 Amps	DC Max. Input Current
60 Volts	60	DC Max. Input Voltage
Watts	370	DC Input Power
ge P370	SolarEdge P370	Optimizer

2/%	-0,29	Voc Temperature Coefficient
	1000 VDC (UL) (IEC)	Max. System Voltage
Watts	370	Nom. Max. Power at STC (Pmax)
Amps	15	Max. Series Fuse (OCPD)
Апря	9,6	Short-Circuit Current (Isc)
Volts	48.3	Open-Circuit Voltage (Voc)
Volts	40.2	Max. Power-Point Voltage (Vmp)
Amps	9.2	Max Power-Point Current (Imp)
D	Solaria PowerXT-370R-PD	Module Make/Model
	ting @ STC	PV Module Rating @ STC

THIS PANEL IS FED BY MULTIPLE SOURCES (UTILITY AND SOLAR)	Nominal AC Voltage	AC Output Current According to art, 690,8(B)(1)
ND SOL/	240	16
(R)	240 Volts	16 Amps

Rooftop conductor amparities designed in compliance with art, 690.8, Tables 310.15(B)(2)(a), 310.15(B)(3)(a), 310.15(B)(3)(c), 310.15(B)(16), Chapter 9 Table 4, 5, & 9. Location specific temperature obtained from ASHRAE 2017 data tables.

Highest Monthly 2% D.B. Design Temp.: 33.2 °C ASHRAE 2017 - MONMOUTH EXECUTIVE Lowest Min. Mean Extreme D.B.: -19 °C

Power Production Calculation

200A + 20A <= 200 x 1:2; 220 <= 240A, OK Main Service Breaker Rating: 200 Amps PV Breaker Rating: 20 Amps Main Bus Rating: 200 Amps

Conductor Calculations

310.15(A)(2)). The rating of the conductor after adjustments shall be greater than, or equal to, relevant ambient temperature and raceway fill adjustments, whichever is less (110.14(C) & without the continuous duty uprating per 690.8(B), whichever results with a larger wire size. Non-PV Circuit conductors use the ampacity in the $75^{\circ}\mathrm{C}$ column or the $90^{\circ}\mathrm{C}$ column with the PV Circuit conductor ampacity is constrained using the 75° C column with the continuous duty uprating or the 90° C column with the relevant ambient temperature and raceway fill adjustments calculations from 310.15(B)(2)(a) & 310.15(B)(3)(c) and raceway fill adjustments from 310.15(B) More information about conductor calculations can be provided upon request. the continuous duty uprated current. (3)(a). Conduit on the roof shall be installed no less than 1" above the roof deck, Wire ampacity calculated from 310.15(B)(16) & (17) as appropriate with ambient temperature

(Tag 1 Under Array): DC-to-DC Converter Output: 10 AWG rated 30 A, 30 A >= 18.75 A

Calc, Ex: Wire Ampacity x Ambient Temp. Corr. Factor x Conduit Fill Adj, Factor >= Output Current

(Tag 2 On Roof):

(Tag 3 Exterior): DC-to-DC Converter Output: 12 AWG rated 20 A, 20 A >= 18.75 A

Inverter Output: 12 AWG rated 20 A, 20 A >= 20 A

(Tag 4 In Trenched Conduit): Inverter Output: 12 AWG rated 20 A, 20 A >= 20 A

OCPD Calculations

Breakers sized according to continuous duty output current. PV circuit nominal current based off inverter continuous output current X (1,25[art. 690.8(A)]),

system output current w/ continuous duty = 20 <= 20A (System OCPD) Inverter 1: SE3800H-US Max Output = 16 A x 1.25 [art, 690.8(A)] = 20 A <= 20 A (OCPD)

Designed according to and all code citations are relevant to the 2017 National Electrical Code

8 10

SHEET NUMBER: Notes Page

E. 2

SHEET NAME:

6211182

INSTALLER: VIVINT SOLAR INSTALLER NUMBER: 1.877.404.4129 NJ LICENSE: 13VH06589300

Created: 7/08/20

vivint. solar

Hargrave Residence **8 OCEAN PATHWAY** OCEAN GROVE, NJ 07756

Utility Account: 100 115 213 827

ALL STICKERS DESCRIBED HEREIN SHALL BE MADE OF WEATHERPROOF ADHESIVE, THEY SHALL BE REFLECTIVE, THEY SHALL CONTAIN NO SMALLER THAN 3/8" WHITE ARIAL FONT TEXT, AND HAVE A RED BACKGROUND, UNLESS OTHERWISE DEPICTED OR DESCRIBED, ALL PLACARDS SHALL BE WEATHER-RESISTANT, PERMANENTLY ETCHED PLACARDS, HANDWRITTEN SIGNS WILL NOT BE ACCEPTABLE.

 $(i-i)^{T}$

Conduit, Raceways, and J-Boxes (Labeled Every 10') per PHOTOVOLTAIC POWER SOURCE 690.31(G)(3) & (4)

Interactive System Point of Interconnection per 690.54 PHOTOVOLTAIC AC POWER SOURCE RATED AC OUTPUT CURRENT: 16 A

NOM OPERATING AC VOLTAGE: 240 V

All Disconnecting Means per 690.13(B) & 690.15(D) PV System Disconnects per 690.13(B)
PV SYSTEM DISCONNECT

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

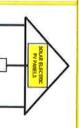
Power Source Output Connection, Adjacent to Backfed Breaker per 705.12

POWER SOURCE OUTPUT CONNECTION
DO NOT RELOCATE THIS OVERCURRENT
DEVICE WARNING

Rapid Shutdown Switch per 690.56(C)(3)

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

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



SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

PV With Rapid Shutdown, Installed Within 3 ft of the Service
Disconnecting Means per 690.56(C)(1)(a)

POWER TO THIS BUILDING IS ALSO SUPPLIED FROM THE FOLLOWING SOURCES WITH DISCONNETS LOCATED AS POWER TO THIS BUILDING AT SO MAIN MAIN AC DISTONNECT DE DISCONNECT INVERTIBLE

Plaques and Directories at the Service Equipment (MSP) and the Location of All System Disconnects per 690.56(B) & 705.10

MAXIMUM VOLTAGE: 480 V
MAXIMUM CURRENT: 10.5 A
DC-TO-DC CONVERTER MAXIMUM RATED OUTPUT CURRENT: 15 A

SE3800H-US String 1 DC Disconnecting Means per 690.53 PHOTOVOLTAIC DC POWER SOURCE DISCONNECT

SHEET Warning Labels Page

SHEET

6211182

INSTALLER: VIVINT SOLAR INSTALLER NUMBER: 1.877,404,4129 NJ LICENSE: 13VH06589300

vivint. so ar

Hargrave Residence **8 OCEAN PATHWAY**

Utility Account: 100 115 213 827

Created: 7/08/20

