

CERTIFICATE NO: _____

DATE ISSUED: _____

Application to the HISTORIC DISTRICT COMMISSION, Nantucket, Massachusetts, for a

CERTIFICATE OF APPROPRIATENESS

for structural work.

All blanks must be filled in using BLUE OR BLACK INK (no pencil) or marked N/A.

NOTE: It is strongly recommended that the applicant be familiar with the HDC guidelines, *Building with Nantucket in Mind*, prior to submittal of application. Please see other side for submittal requirements. Incomplete applications will not be reviewed by the HDC.

This is a contractual agreement and must be filled out in ink. An application is hereby made for issuance of a Certificate of Appropriateness under Chapter 395 of the Acts and Resolves of Mass., 1970, for proposed work as described herein and on plans, drawings and photographs accompanying this application and made a part hereof by reference.

The certificate is valid for three years from date of issuance. No structure may differ from the approved application. Violation may impede issuance of Certificate of Occupancy.

PROPERTY DESCRIPTION

TAX MAP N°: 69 PARCEL N°: 29.3 B-200

Street & Number of Proposed Work: 5A SUN ISLAND RD

Owner of record: BRUCE MACGREGOR - NANTUCKET

Mailing Address: PO BOX 2240 SUN NT NANTUCKET, MA 02584

Contact Phone #: 508 325-0716 E-mail: SUN_ISLAND_FOX@COMCAST-NET

AGENT INFORMATION (if applicable)

Name: MY GENERATION ENERGY

Mailing Address: 1471 ZYANBOUGH RD STE 1 HYANNIS, MA 02001

Contact Phone #: 508 694-6884 E-mail: JAMIE@MYGENERATIONENERGY.COM

FOR OFFICE USE ONLY

Date application received: _____ Fee Paid: \$ _____

Must be acted on by: _____

Extended to: _____

Approved: _____ Disapproved: _____

Chairman: _____

Member: _____

Member: _____

Member: _____

Member: _____

Notes - Comments - Restrictions - Conditions

DESCRIPTION OF WORK TO BE PERFORMED

See reverse for required documentation.

New Dwelling Addition Garage Driveway/Apron Commercial Historical Renovation Deck/Patio Steps Shed

Color Change Fence Gate Hardscaping Move Building Demolition Revisions to previous Cert. No. _____

Pool (Zoning District _____) Roof Other SOLAR PANELS

Size of Structure or Addition: Length: _____ Sq. Footage 1st floor: _____ Decks/Patio: Size: _____ 1st floor 2nd floor

Width: _____ Sq. Footage 2nd floor: _____ Size: _____ 1st floor 2nd floor

Sq. Footage 3rd floor: _____

Difference between existing grade and proposed finish grade: North _____ South _____ East _____ West _____

Height of ridge above final finish grade: North _____ South _____ East _____ West _____

Additional Remarks

Historic Name: _____

Original Date: _____ (describe)

Original Builder: _____

Is there an HDC survey form for this building attached? Yes N/A

REVISIONS* 1- East Elevation

2- South Elevation BLACK PANELS MOUNTED ON DARK

3- West Elevation GREY ROOF (444)

4- North Elevation

*Cloud on drawings and submit photographs of existing elevations.

DETAIL OF WORK TO BE PERFORMED

Foundation: Height Exposed _____ Block Block Parged Brick (type) _____ Poured Concrete Piers

Masonry Chimney: Block Parged Brick (type) _____ Other _____

Roof Pitch: Main Mass _____/12 Secondary Mass _____/12 Dormer _____/12 Other _____

Roofing material: Asphalt: 3-Tab Architectural

Wood (Type: Red Cedar, White Cedar, Shakes, etc.)

Skylights (flat only): Manufacturer _____ Rough Opening _____ Size _____ Location _____

Manufacturer _____ Rough Opening _____ Size _____ Location _____

Gutters: Wood Aluminum Copper Leaders (material)

Leaders (material and size): _____

Sidewall: White cedar shingles Clapboard (exposure: _____ inches) Front Side

Other _____

Trim: A. Wood Pine Redwood Cedar Other _____

B. Treatment Paint Natural to weather Other _____

C. Dimensions: Fascia _____ Rake _____ Soffit (Overhang) _____ Corner boards _____ Frieze _____

Window Casing _____ Door Frame _____ Columns/Posts: Round _____ Square _____

Windows*: Double Hung Casement All Wood Other _____

True Divided Lights (muntins), single pane SDL's (Simulated Divided Lights) Manufacturer _____

Doors* (type and material): TDL SDL Front _____ Rear _____ Side _____

Garage Door(s): Type _____ Material _____

Hardscape materials: Driveways _____ Walkways _____ Walls _____

Fence: Height: _____

Type: _____

Length: _____

Color Change

* Note: Complete door and window schedules are required.

COLORS

Sidewall _____ Clapboard (if applicable) _____ Roof CHARCOAL GREY

Trim _____ Sash _____ Doors _____

Deck _____ Foundation _____ Fence _____ Shutters _____

* Attach manufacturer's color samples if color is not from HDC approval list.

I hereby authorize the agent named above to act on my behalf to make changes in the specifications or the plans contained in this application in order to bring the application into compliance with the HDC guidelines. I hereby agree to abide by and comply with the terms and conditions of this application. I hereby agree that the submission of any revisions to this application will initiate a new sixty-day review period.

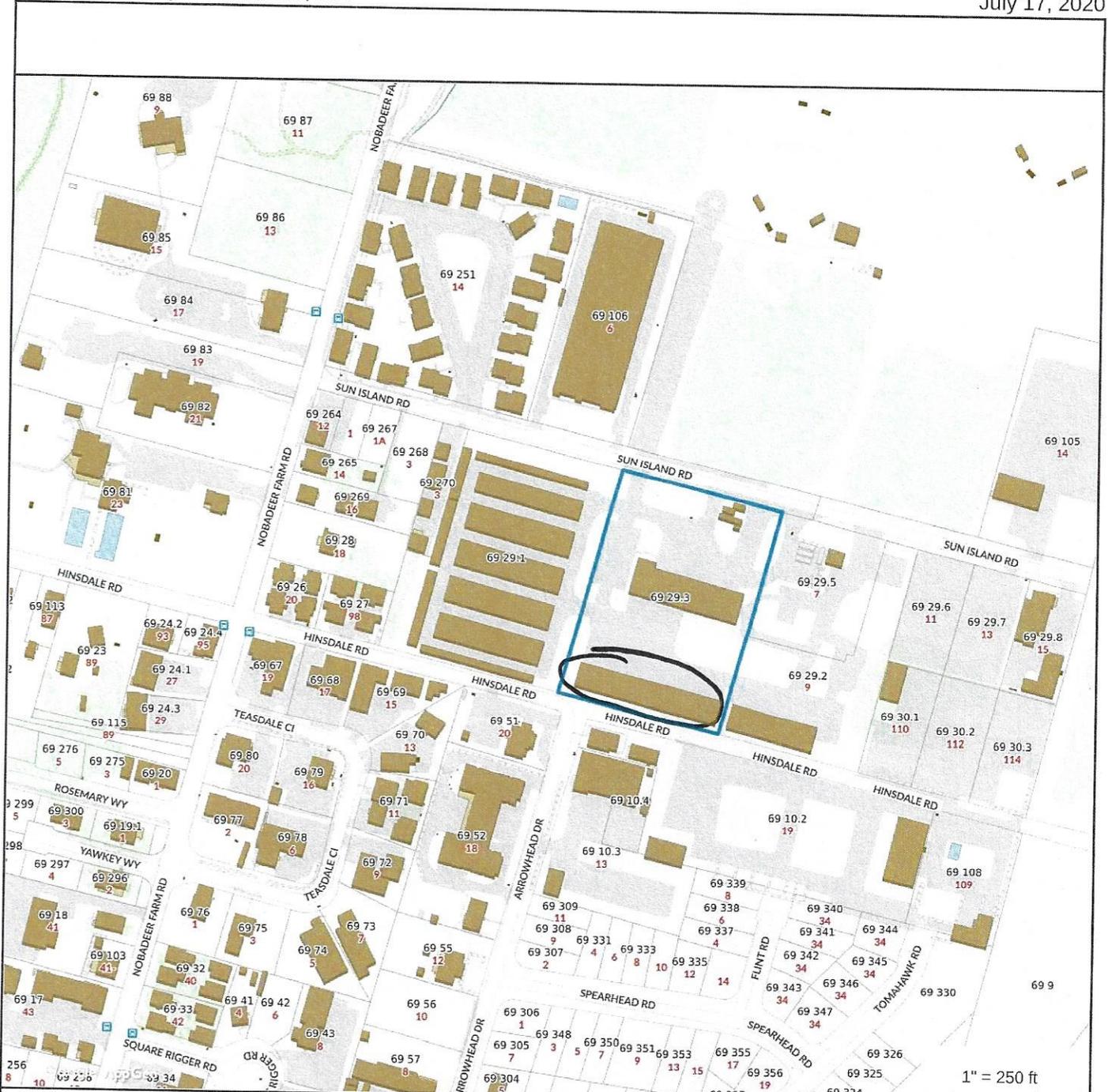
Date

7/19/2020

Signature of owner of record

[Signature]

Signed under penalties of perjury



1" = 250 ft

Property Information	
Property ID	69 29.3
Location	5A SUN ISLAND RD
Owner	J BRUCE MACGREGOR



**MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT**

Town and County of Nantucket, MA makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 11/13/2018
Data updated 11/19/2018



Property Information

Property ID 69 29.1
 Location 5 SUN ISLAND RD
 Owner MACGREGOR J BRUCE TR

(B)
 292



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Geometry updated 11/13/2018
 Data updated 11/19/2018

5A SUN ISLAND RD



Property Information

Property ID 69 29.3
 Location 5A SUN ISLAND RD
 Owner J BRUCE MACGREGOR

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VIEW OF NORTH SIDE FROM SUN ISLAND ROAD OF BUILDING "A" ON 5A SUN ISLAND ROAD
PANELS WILL BE ON THE SOUTH SIDE OF THE BUILDING – BUILDING "B" IS ONLY PARTIALLY
VISIBLE FROM SUN ISLAND ROAD AND THE WESTERN END IS ON THE RIGHT



BUILDING "B" NORTH/SOUTH SIDES – PANELS TO BE ON SOUTH SIDE

BUILDING "A" - 9 SUN ISLAND ROAD IS AT FAR LEFT SIDE - PANELS ON NORTH/SOUTH SIDES



BUILDING "A" ON 9 SUN ISLAND ROAD ON THE RIGHT, TOSCANA BUILDING WITH SOLAR PANELS ON A GREY ROOF IS ON THE LEFT NEXT TO THIS BUILDING

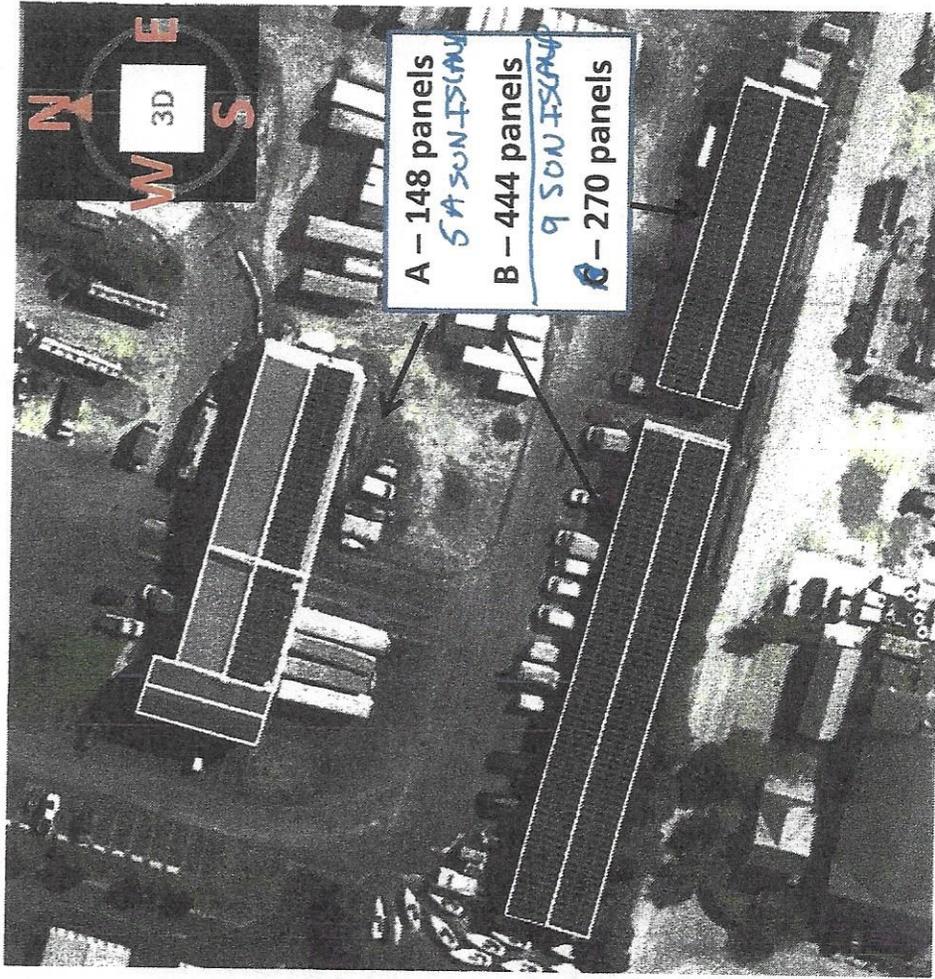
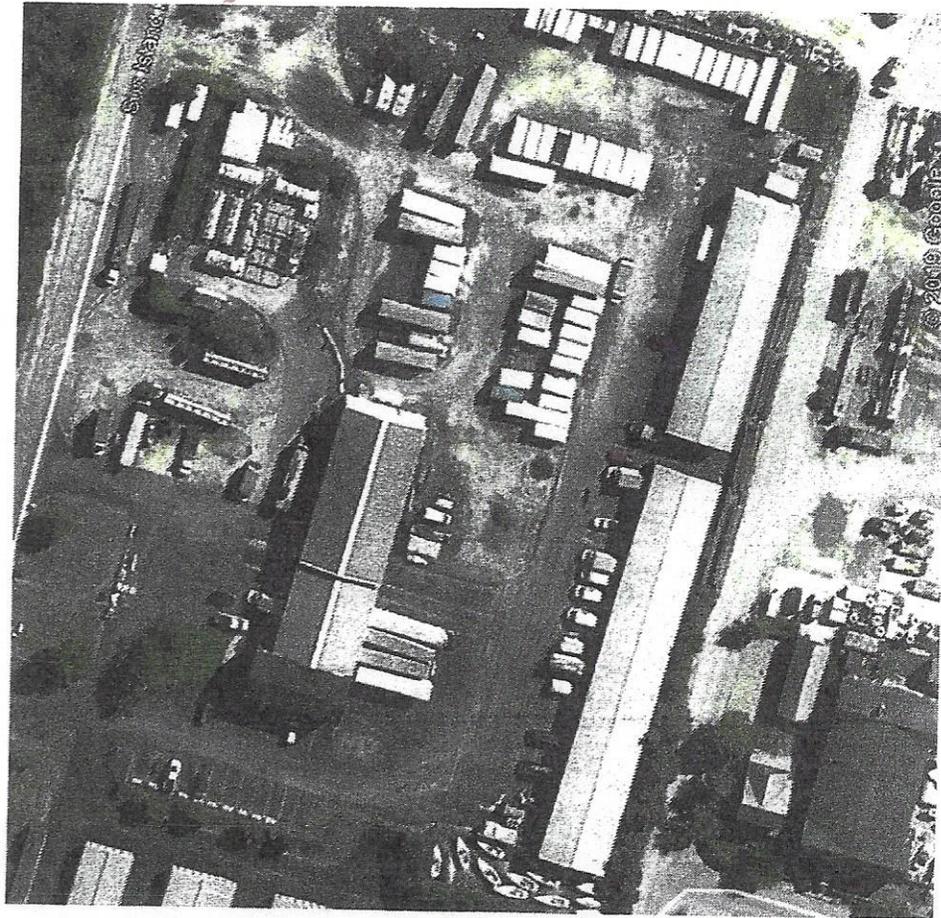


BUILDING "B" ON 5A SUN ISLAND RD ON LEFT - BUILDING "A" ON 9 SUN ISLAND RD ON THE RIGHT - VIEW FROM HINSDALE RD - TOSCANA BUILDING PANELS VISIBLE ON FAR ROAD



Sun Island Fuel Inc
7 Sun Island Rd, Nantucket

Proposed location of 862 black solar panels



APPROVED
FEB 06 2020

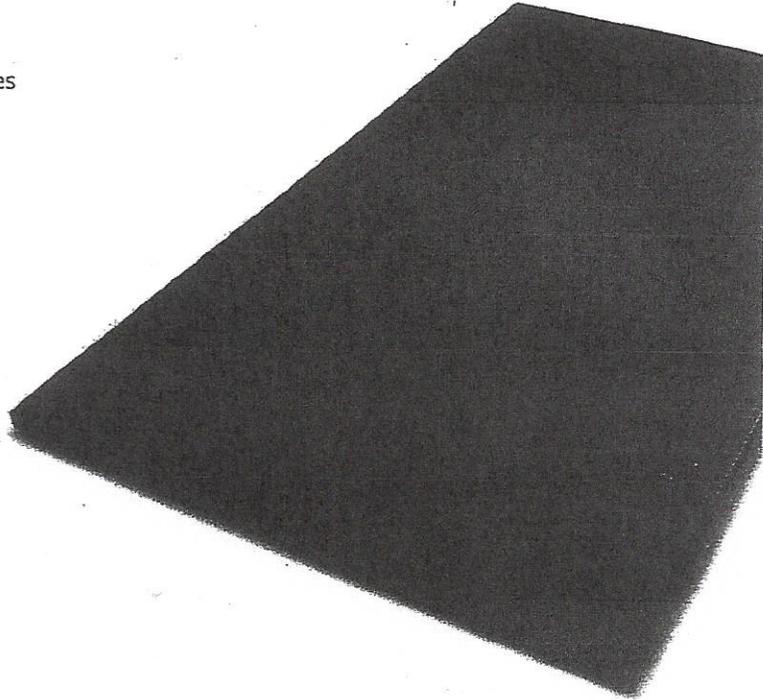
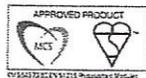
LG NeON[®]R Prime

LG350Q1K-V5 | LG355Q1K-V5 | LG360Q1K-V5

60

350W | 355W | 360W

LG Solar's NeON[®]R is a powerful solar module that provides premium performance. The NeON[®]R incorporates a cell structure without electrodes on the front to maximize light utilization and enhance reliability. Providing added value for the customer beyond efficiency, this module features an enhanced warranty, outstanding durability, solid performance in real-world conditions and aesthetic design suitable for roofs.



Features



Roof Aesthetics

LG NeON[®]R has been designed with aesthetics in mind: the lack of any electrodes on the front creates an improved, modern aesthetic.



Enhanced Product Warranty

LG has extended the warranty of the NeON[®]R to 25 years including labor, which is top level in the industry.



Enhanced Performance Warranty

LG NeON[®]R has an enhanced performance warranty. After 25 years, LG NeON[®]R is guaranteed at least 90.8% of initial performance.



More Generation Per Square Meter

The LG NeON[®]R has been designed to significantly enhance its output, making it efficient even in limited space.

When you go solar, ask for the brand you can trust: LG Solar

About LG Electronics

LG Electronics is a global leader in electronic products in the clean energy markets by offering solar PV panels and energy storage systems. The company first embarked on a solar energy source research program in 1985, supported by LG Group's vast experience in the semi-conductor, LCD, chemistry and materials industries. In 2010, LG Solar successfully released its first MonoX[®] series to the market, which is now available in 32 countries. The NeON[®] (previous MonoX[®] NeON), NeON[®]2, NeON[®]2 BiFacial won the "Intersolar AWARD" in 2013, 2015 and 2016, which demonstrates LG's leadership and innovation in the solar industry.

LG Solar

LG NeON[®]R Prime

LG350Q1K-V5 | LG355Q1K-V5 | LG360Q1K-V5

Preliminary

General Data

Cell Properties (Material/Type)	Monocrystalline/N-type
Cell Maker	LG
Cell Configuration	60 Cells (5 x 10)
Module Dimensions (L x W x H)	1,700mm x 1,016mm x 40mm
Weight	18.0 kg
Glass (Thickness/Material)	2.8mm/Tempered Glass with AR Coating
Backsheet (Color)	Black
Frame (Material)	Anodized Aluminium
Junction Box (Protection Degree)	IP 68 with 3 Bypass Diodes
Cables (Length)	1,000mm x 2EA
Connector (Type/Maker)	MC 4/MC

Certifications and Warranty

Certifications	IEC 61215-1/-1-1/2:2016, IEC 61730-1/-2:2016
	UL 1703
	ISO 9001, ISO 14001, ISO 50001
	DHSAS 18001
Salt Mist Corrosion Test	IEC 61701:2012 Severity 6
Ammonia Corrosion Test	IEC 62715:2013
Module Fire Performance	Type 2
Fire Rating	Class C (UL 790)
Product Warranty	25 Years
Output Warranty of Pmax	Linear Warranty*

Improved: 1st year 98%, from 2-24th year 0.3%/year down, after 25th year 90.8%

Temperature Characteristics

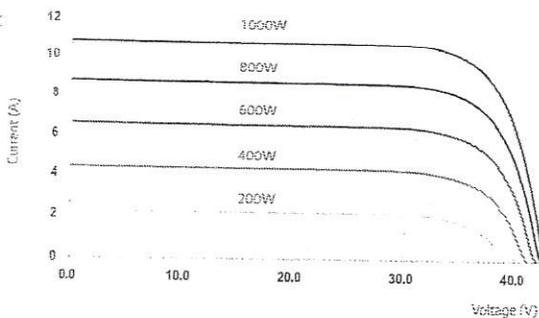
NMOT*	[°C]	44 ± 3
Pmax	[%/°C]	-0.30
Voc	[%/°C]	-0.24
Isc	[%/°C]	0.037

* NMOT (Nominal Module Operating Temperature) Irradiance 800 W/m², Ambient temperature 20 °C, Wind speed 1 m/s, Spectrum AM 1.5

Electrical Properties (NMOT)

Model		LG350Q1K-V5	LG355Q1K-V5	LG360Q1K-V5
Maximum Power (Pmax)	[W]	264	267	271
MPP Voltage (Vmpp)	[V]	36.1	36.3	36.6
MPP Current (Impp)	[A]	7.3	7.36	7.41
Open Circuit Voltage (Voc)	[V]	40.4	40.6	40.8
Short Circuit Current (Isc)	[A]	8.37	8.41	8.46

I-V Curves



Electrical Properties (STC*)

Model		LG350Q1K-V5	LG355Q1K-V5	LG360Q1K-V5
Maximum Power (Pmax)	[W]	350	355	360
MPP Voltage (Vmpp)	[V]	36.2	36.4	36.7
MPP Current (Impp)	[A]	9.68	9.76	9.82
Open Circuit Voltage (Voc)	[V]	42.9	43.1	43.3
Short Circuit Current (Isc)	[A]	10.39	10.44	10.50
Module Efficiency	[%]	20.3	20.5	20.8
Power Tolerance	[%]	0 - +3		

* STC (Standard Test Condition): Irradiance 1000 W/m², cell temperature 25 °C, AM 1.5
Measure Tolerance: ± 3%

Operating Conditions

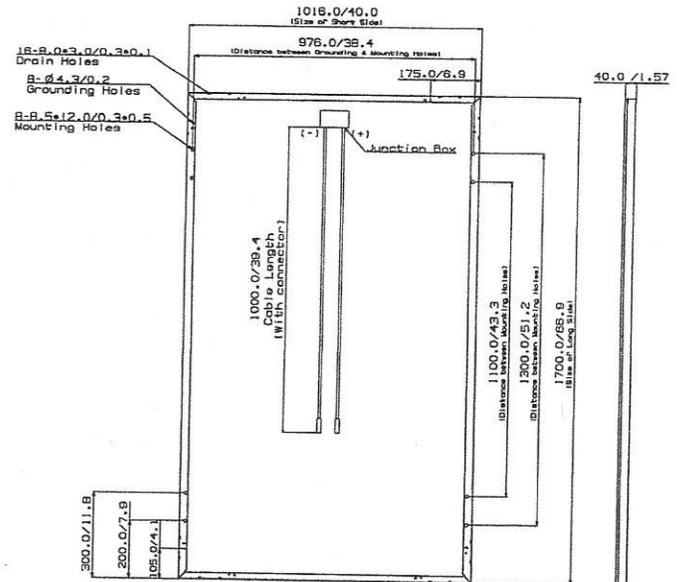
Operating Temperature	[°C]	-40 - +90
Maximum System Voltage	[V]	1,000
Maximum Series Fuse Rating	[A]	20
Mechanical Test Load (Front)	[Pa/psf]	5,400/113
Mechanical Test Load (Rear)	[Pa/psf]	4,000/84

* Test Load = Design x Safety Factor (1.5)

Packaging Configuration

Number of Modules per Pallet	[EA]	25
Number of Modules per 40ft HQ Container	[EA]	650
Packaging Box Dimensions (L x W x H)	[mm]	1,750 x 1,120 x 1,221
Packaging Box Gross Weight	[kg]	473

Dimensions (mm/inch)



LG Electronics Inc.
Solar Business Division
2000 Millbrook Drive
Lincolnshire, IL 60069
www.lg-solar.com

Product specifications are subject to change without notice.
LG350-360Q1K-V5.pdf

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VIEW OF NORTH SIDE FROM SUN ISLAND ROAD OF BUILDING "A" ON 5A SUN ISLAND ROAD
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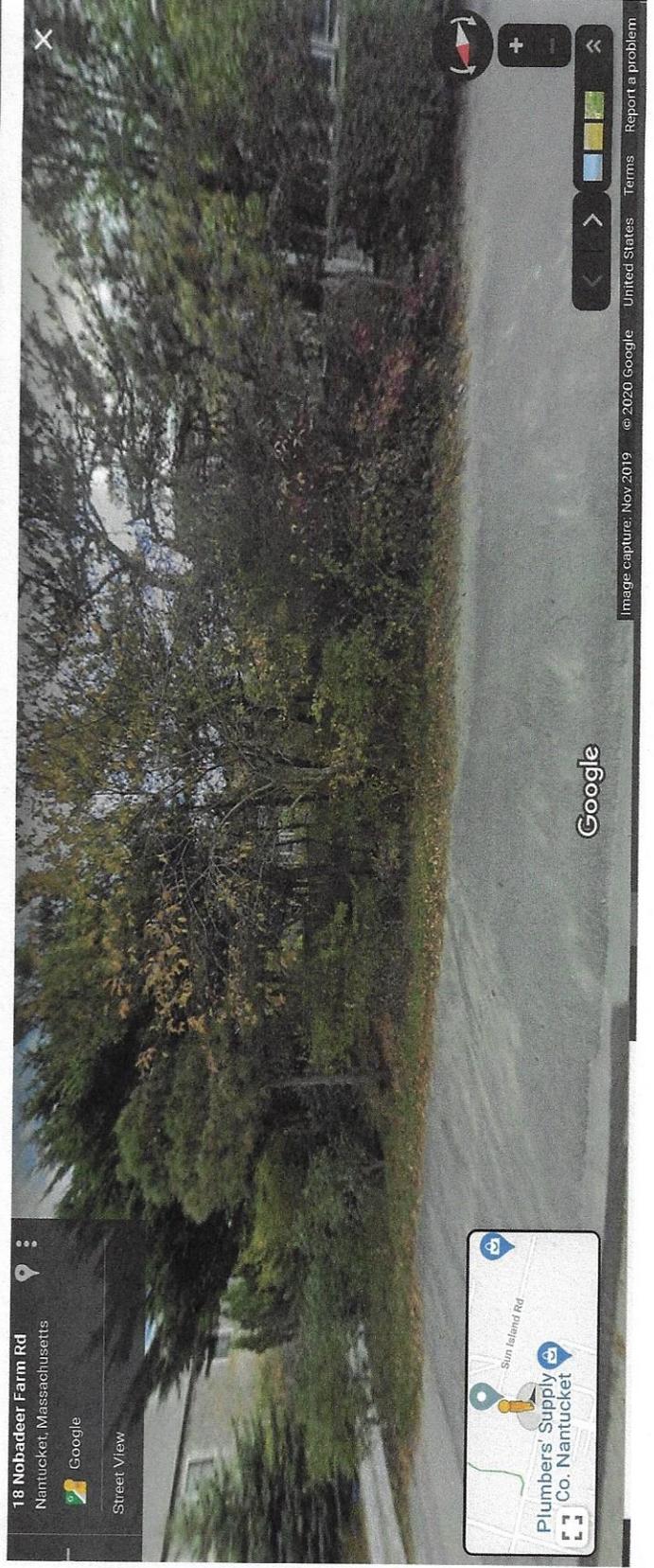
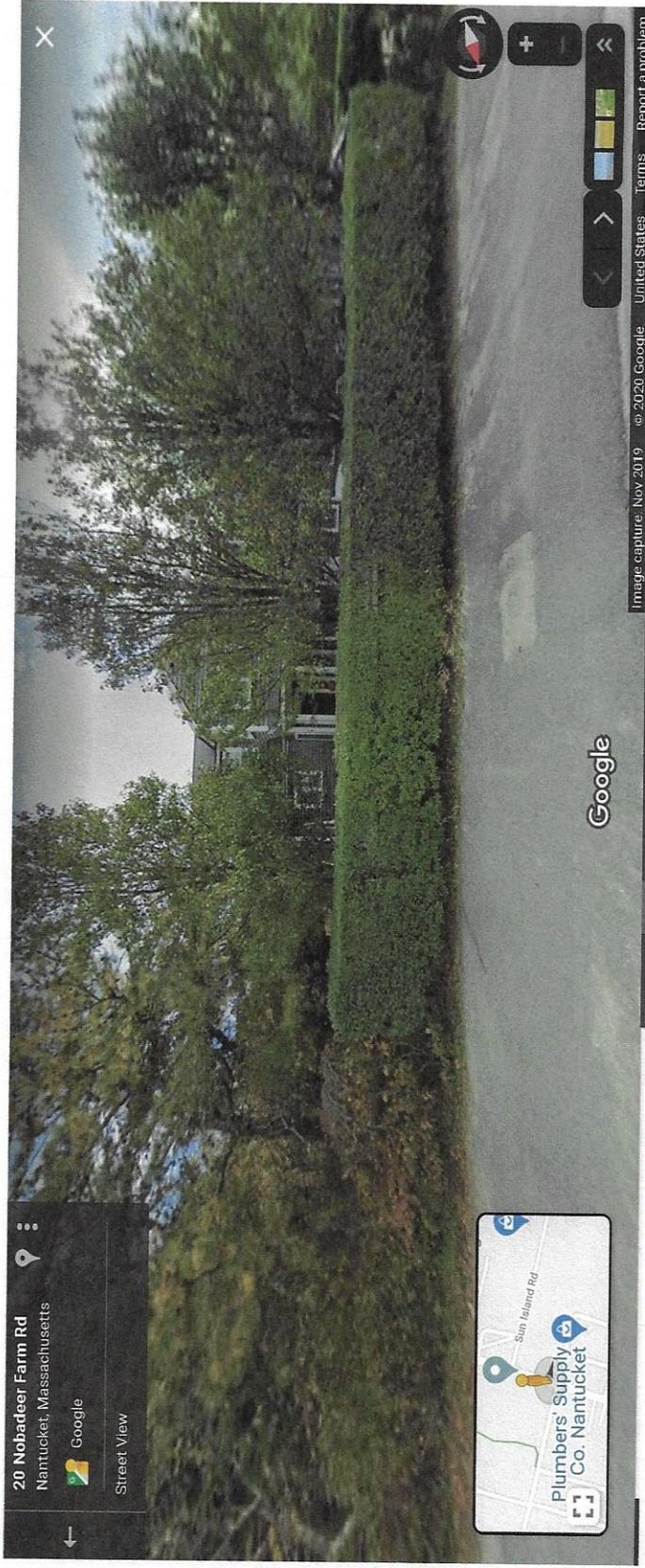
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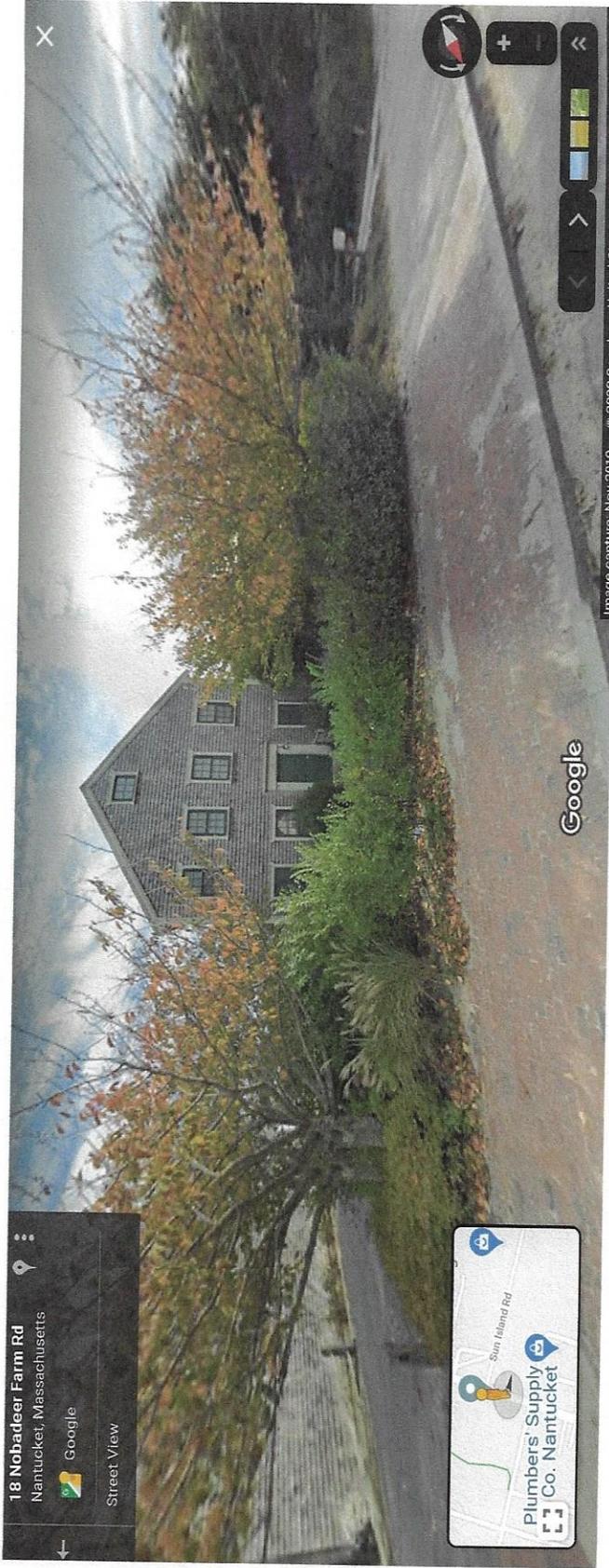
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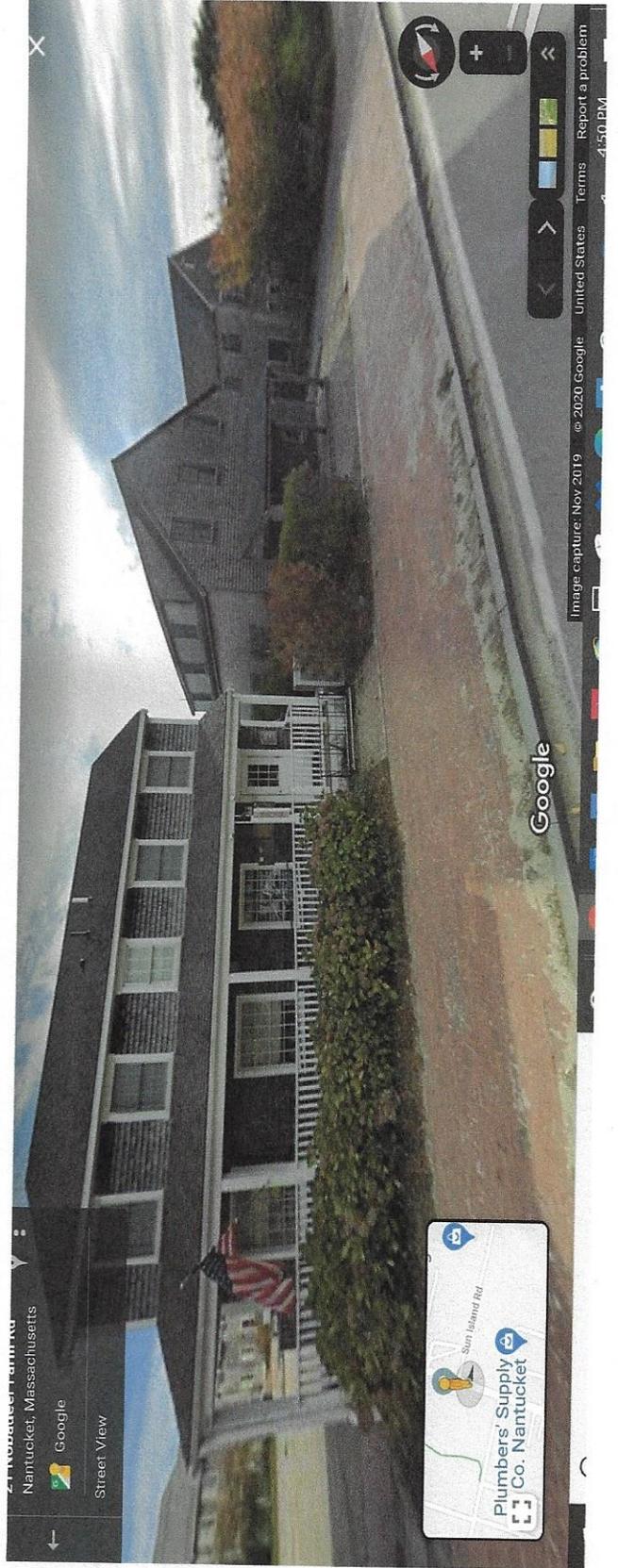
VIEW FROM NOBADEER FARM ROAD



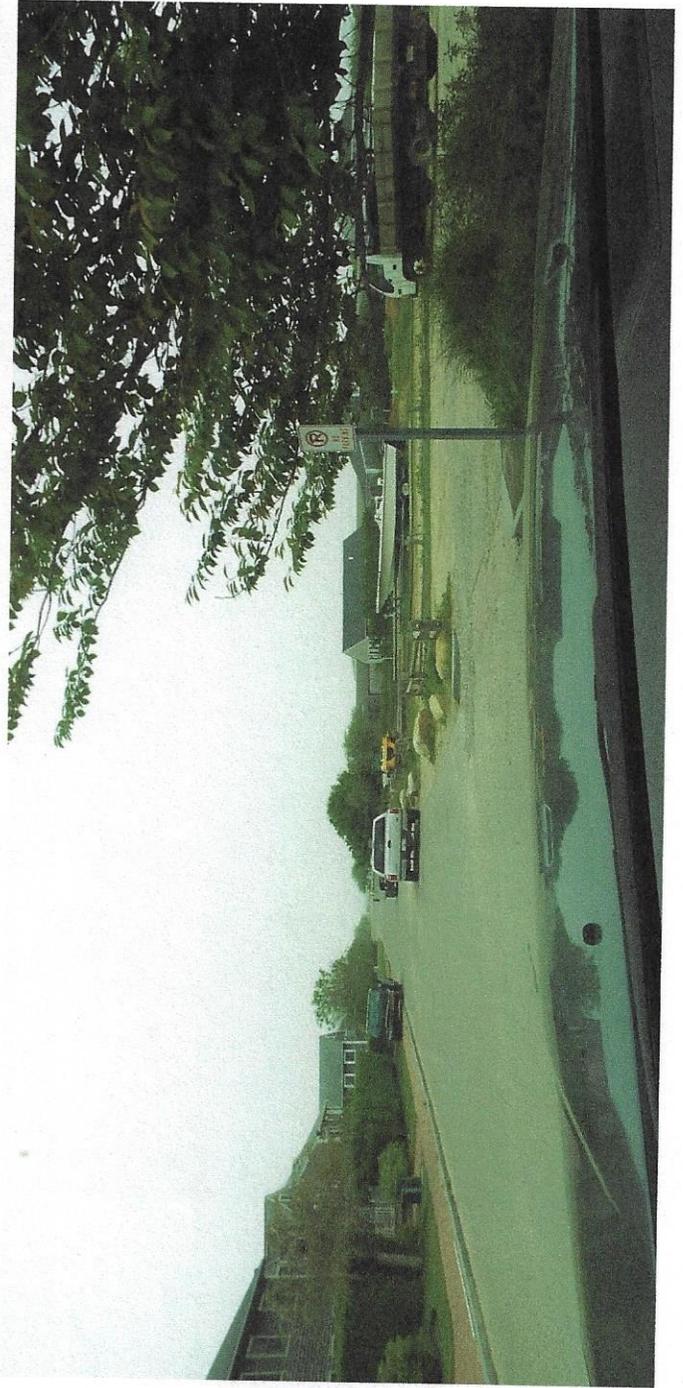
16 NOBADEER FARM ROAD



12 & 14 NOBADEER FARM ROAD



FROM NOBADEER FARM ROAD & SUN ISLAND ROAD INTERSECTION



EXAMPLES OF OTHER SOLAR INSTALLATIONS

29 TOMAHAWK ROAD, 37 TOMAHAWK ROAD, TOSCANA BUILDING AT 109 HINSDALE ROAD

381 FEET TO TOSCANA/532 FEET TO 37/ 668 TO 29/LESS 800 FT TO ARROWHEAD



29 TOMAHAWK – PITCHED METAL ROOF





TOSCANA BUILDING ON HINSDALE ROAD – PITCHED GREY ROOF



ARROWHEAD ROAD PANELS



NANTUCKET ICE FROM FIRST WAY – PANELS ON PITCHED METAL ROOF





NANTUCKET ICE FROM SURFSIDE ROAD



NANTUCKET ICE FROM BACKUS LANE

