





PART A - EXHIBIT 1, Statement of Work

Customer:	Project Address	Project Number (PRJ#)	Utility
Ira Ockene (508) 612-1185 ira.ockene@umassmed.edu	24 Fairbanks Street Harvard, MA 01451		National Grid Account: 2651665022 Meter: 98177461

Major System Components	Inspector Information
Panel Description: 20 LG_Neon2-380_Black/White 7,600 Watts Panel Model Number: LG380N1C-A6	Rough Required: No

Item	Count	Inverter	Serial Numbers	Contact Info
Inverter 1:	1	SMA SB6.0-1SP-US-41 (240V)		Hours of Operation: Office is open Monday - Thursday 8:00am to 4:30pm Inspections will be conducted on Mondays, Wednesdays, and Thursdays. Phone: (978) 456-4100 ext. 325 Fax: (978) 456-4107
Inverter 2:	0	0		
Inverter 3:	0	0		
Inverter 4:	0	0		
Battery kWh:	0			
Monitoring:	SMA	Via WiFi / DOP / Hardline		

Scope of Work:	Sales Notes:
System design Licensed Prof. Engineer roof load evaluation and stamp Building and electrical permitting / inspections Utility authority to interconnect Installation of racking, wiring, inverters, modules, data communication System test	Garage service is 60 amps. Conduit to garage is 2" OD. I could not find the house end of the conduit. Customer has generator hookup to house with manual lock-out. Thus solar will likely have to be done as a supply side connection.

Additional System Components:	Construction Notes:				
<table> <tr> <th>Included</th><th>Description</th></tr> <tr> <td>  <p>Wells Holmes Digitally signed by Wells Holmes Date: 2021.05.24 14:23:56 -06'00'</p> </td><td> Length of Trenching Energy Storage System Structural Reinforcement Vent Pipes to Move Service Upgrade Snow Guards Car Charger </td></tr> </table> <p>VECTOR PROJECT #: U1867.0279.211</p> <p>05/24/2021</p>	Included	Description	 <p>Wells Holmes Digitally signed by Wells Holmes Date: 2021.05.24 14:23:56 -06'00'</p>	Length of Trenching Energy Storage System Structural Reinforcement Vent Pipes to Move Service Upgrade Snow Guards Car Charger	 <p>651 W. GALENA PARK BLVD. STE. 101 PHONE (801) 990-1775 DRAPER, UTAH 84020 WWW.VECTORSE.COM</p>
Included	Description				
 <p>Wells Holmes Digitally signed by Wells Holmes Date: 2021.05.24 14:23:56 -06'00'</p>	Length of Trenching Energy Storage System Structural Reinforcement Vent Pipes to Move Service Upgrade Snow Guards Car Charger				

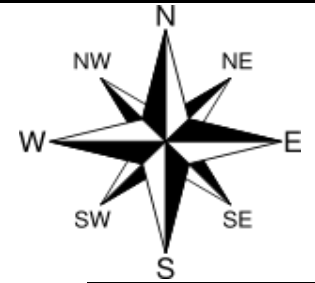
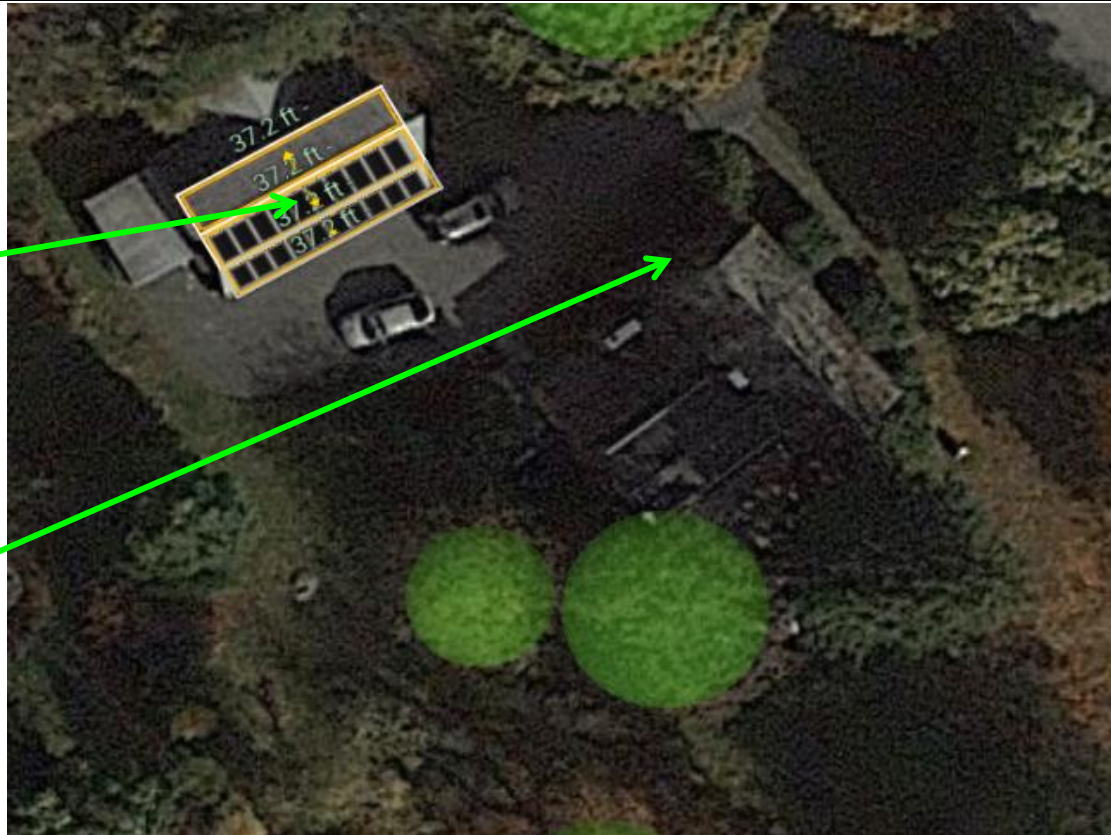
Version	By	Date	Nature of Change	Contractor	Sheet #	Approved By:
1	Mark	5/10/21	Initial Version	New England Clean Energy	PV1	{t;d;y;o:"Owner 1";w:100;h:15;}
2			Agreement Version	43 Broad St, Suite A408		
3			Engineering Version	Hudson, MA 01749		
4			Permit Set	978-567-6527		
5			As-Built			

PART A - EXHIBIT 1, Statement of Work

Site Plan

Array
60 amp circuit to garage
2" Conduit between
garage and home

Utility Meter
Point of connection
PV Meter
AC Disconnect
Inverter



Internet Router
Location

Ask Sales Person

	Array Identifier	Roof Config	Attachment Type	Panel Count	Gutter Height	Rafter Spacing	Roof Angle	Estimated # of Attachments
1	Barn Upper	Shingles on typical roof	SnapNRack L-foot/flashing	10	12	16	25	28
2	Barn Lower		#N/A	10	12	16	49	28
3	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0
# Attachments		56	# 14-ft Rail	Contractor		Sheet Number	Approved By:	
Panel Dimensions (inches)		Length: 68.5 in.	Width: 41.02 in.	New England Clean Energy 43 Broad St, Suite A408 Hudson, MA 01749 978-567-6527		PV2	{t;t;y;o:"Owner 1";w:100;h:15;}	

SALES DESCRIPTION	EVENT	LEVEL	HAND	QUANTITY
LG, Neon-2, Res, DC, Mono, 380w, 60c, Black/White		Custom	0	20
SMA, Inverter, 1 Phase, 6.000w		Custom	2	1
SMA, Wire Accessories, Cable Clip, Sunrunner-2		Custom		20
Disconnect, 60A, 250V, 2-Pole, Non-Fused, Outdoor		Custom		1
Soladeck, Box, 5 Position, Black		Custom		2
Breaker, Classified, 40-2		Custom		1
SnapNRack, Ultra Rail, 168", Black		Custom	190	10
SnapNRack, Ultra Rail, Splice Bar, Black		Custom		8
SnapNRack, Ultra Rail, Mid Clamp, Universal, Black		Custom		40
SnapNRack, Ultra Rail, End Clamp, Universal, Silver		Custom		8
SnapNRack, Ultra Rail, Speedseal, Foot, Black		Custom		50
SnapNRack, Ultra Rail, Speedseal, Washer/Lag		Custom		50
SnapNRack, Ultra Rail, Ground Lug, 6-12 AWG		Custom		4

Site Photos		
Front of Building	Utility Meter	Electrical Panel

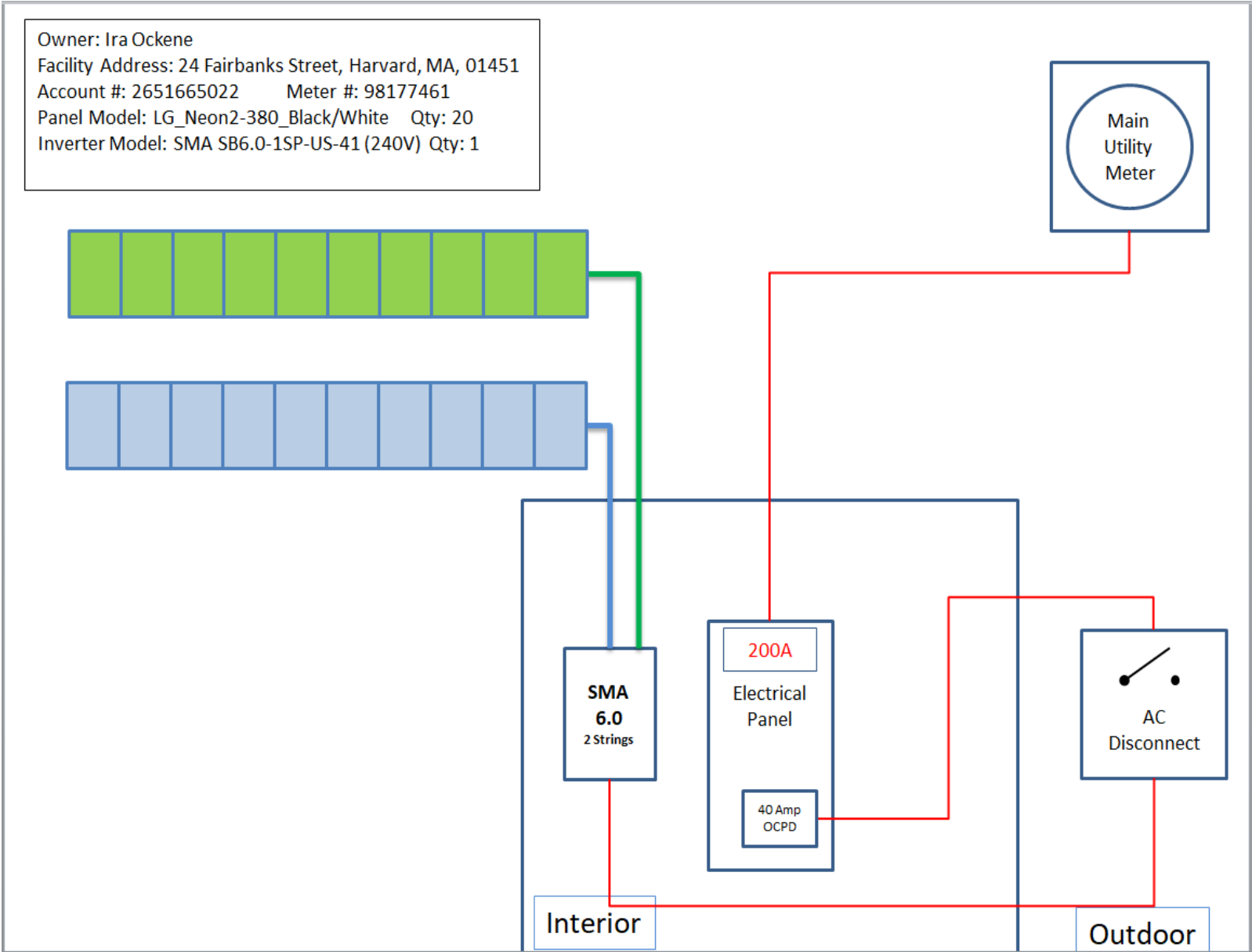


Solar Roof(s)




	Contractor	Sheet #
Town Note:	New England Clean Energy 43 Broad St, Suite A408 Hudson, MA 01749 978-567-6527	PV 4

One-Line Electrical Diagram, Single-Phase PV System



		Contractor	Sheet #
Utility Note:		New England Clean Energy 43 Broad St, Suite A408 Hudson, MA 01749 978-567-6527	PV 5

Structural Data

Array Section 1			Roof & Rafter pictures with tape measure or building plans
Identifier: Barn Upper	Roof Description:	Shingles on typical roof	
Angle: 25			
Azimuth: 150	Rafter Dimensions:	Actual 2x4	
Gutter ht. (ft): 12	Rafter Spacing (in.):	16	
Panel Count: 10	Rafter Span (in.):	81	
Assume one layer of shingles unless otherwise indicated			
Rail to be installed perpendicular to rafters			




**Wells
Holmes**

Digitally signed
by Wells Holmes
Date: 2021.05.24
14:24:14 -06'00'

05/24/2021



Vector Structural Engineering has reviewed the existing structure with loading from the solar array and lag screw connections to the existing framing. The design of the racking system, connections, and all other structure is by others. Mechanical, architectural, and all other nonstructural aspects of the design are by others. Electrical is by others, unless stamped by Dean Levorsen.

Array Section 2			Roof & Rafter pictures with tape measure or building plans
Identifier: Barn Lower	Roof Description:	Shingles on typical roof	
Angle: 49			
Azimuth: 150	Rafter Dimensions:	Actual 2x6	
Gutter ht. (ft): 12	Rafter Spacing (in.):	16	
Panel Count: 10	Rafter Span (in.):	62	
Assume one layer of shingles unless otherwise indicated			
Rail to be installed perpendicular to rafters			

Contractor	Sheet #
New England Clean Energy 43 Broad St, Suite A408 Hudson, MA 01749 978-567-6527	PV 6

Site CHECKLIST

Roof Photos

1. Racking before panels
2. Grounding on the roof (Close up and back up)
3. Inside roof boxes
4. Roof attachment close up (L foot/ S-5, etc.....)
5. Panel nameplate
6. Optimizer/ Micro-inverter/ shutdown unit
7. Conduit on roof?
8. Array!!!
9. Wiring under array after panels are ON

Balance Photos (Make sure all labels are on before photos)

1. Utility meter (Close up)
2. AC disconnect (Close up/ Inside and outside)
3. PV meter (Close up/ Inside and outside)
4. Utility meter /PV meter/ Disconnect all in one photo
5. Pipe run/ labeling (Take multiple)
6. Ground rods
7. Inverter (Close up/ Inside and outside)
8. Inverter serial #
9. PV breaker enclosures (Close up/ Inside and outside)
10. Tap/ Back fed breaker
11. Data connection (DOP/ Hardline)
12. Commissioning screenshot
13. Water meter bonded on both sides
14. SOW As built
15. Permit location
16. Back up of all balance equipment
17. Main panel w/ signage Close up and back up