

Utility Meter &
AC Disconnect

SILFAB
SLA 300M



65.0 x 39.0 x 1.5 in



System Details:

- Residential 12kW grid tied (photovoltaic) system
- This system has been designed in accordance with all current and applicable NEC, OBC, and RCO codes
- Height of the Array: 3-4in above the roof, parallel to the roof
- Weight of the Array: Less than 4lbs/ft²
- Total Area of Array: 5.41ft x 3.25ft x 40 = 704ft²
- No fencing or trenching would be needed or interfered with this project

SYSTEM : 40 x SILFAB SLA 300M @ 300W – 12kW • AZIMUTH: R1:225°,R2: 45° • PITCH: R1,R2: 36°

Customer Signature

DocuSigned by:
Casey Weinstein
ABEB8480A4F94B1...
8/17/2017 | 4:11

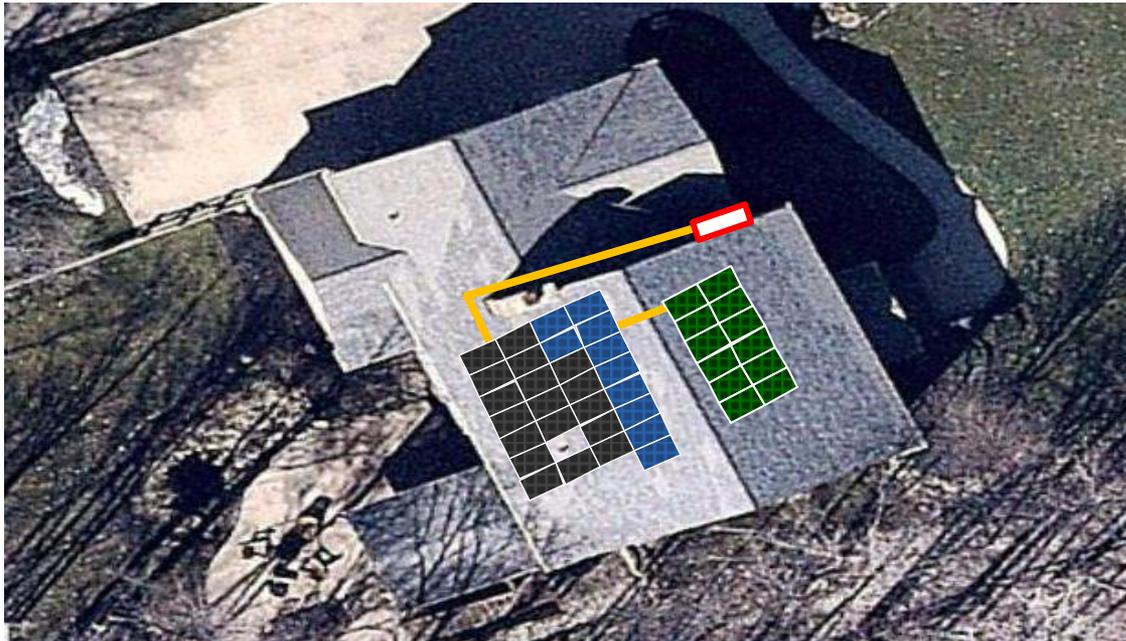
Casey Weinstein
8 North Westhaven Dr.
Hudson, OH 44236

PM EDT PV Layout
12 kW Solar Photovoltaic
Project: 505 - CW



Wiring Diagram

505 - CW



String Configuration	
	1 x String of 14 Modules
	1 x String of 14 Modules
	1 x String of 12 Modules
Inverter A: SolarEdge SE11400A-US	

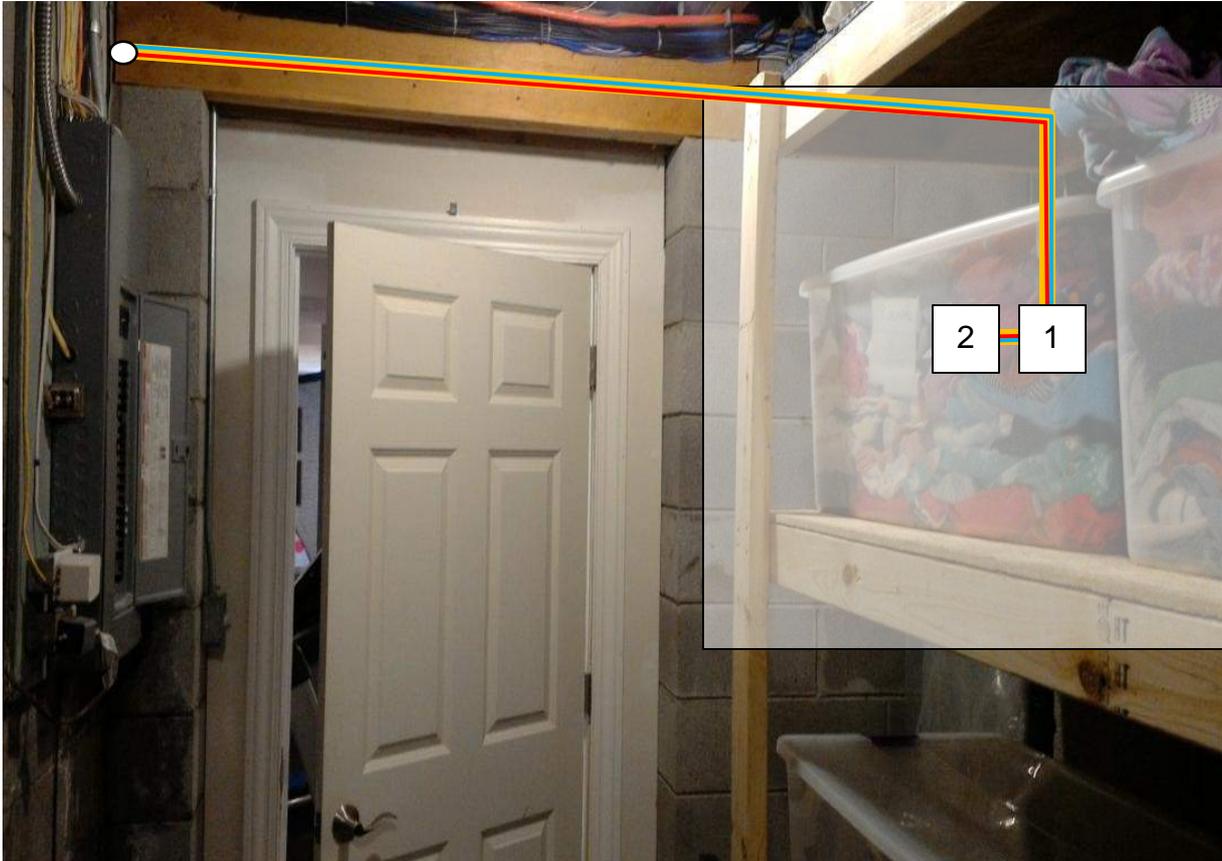
Wiring & Conduit	
	Utility Meter & AC Disconnect
	Conduit run
	SolaDeck

Customer Signature	 YellowLite <small>Harvesting Clean Energy™</small>

ADDRESS : 8 North Westhaven Drive Hudson, OH 44236
OWNER : Casey Weinstein

Wiring Diagram

505 - CW



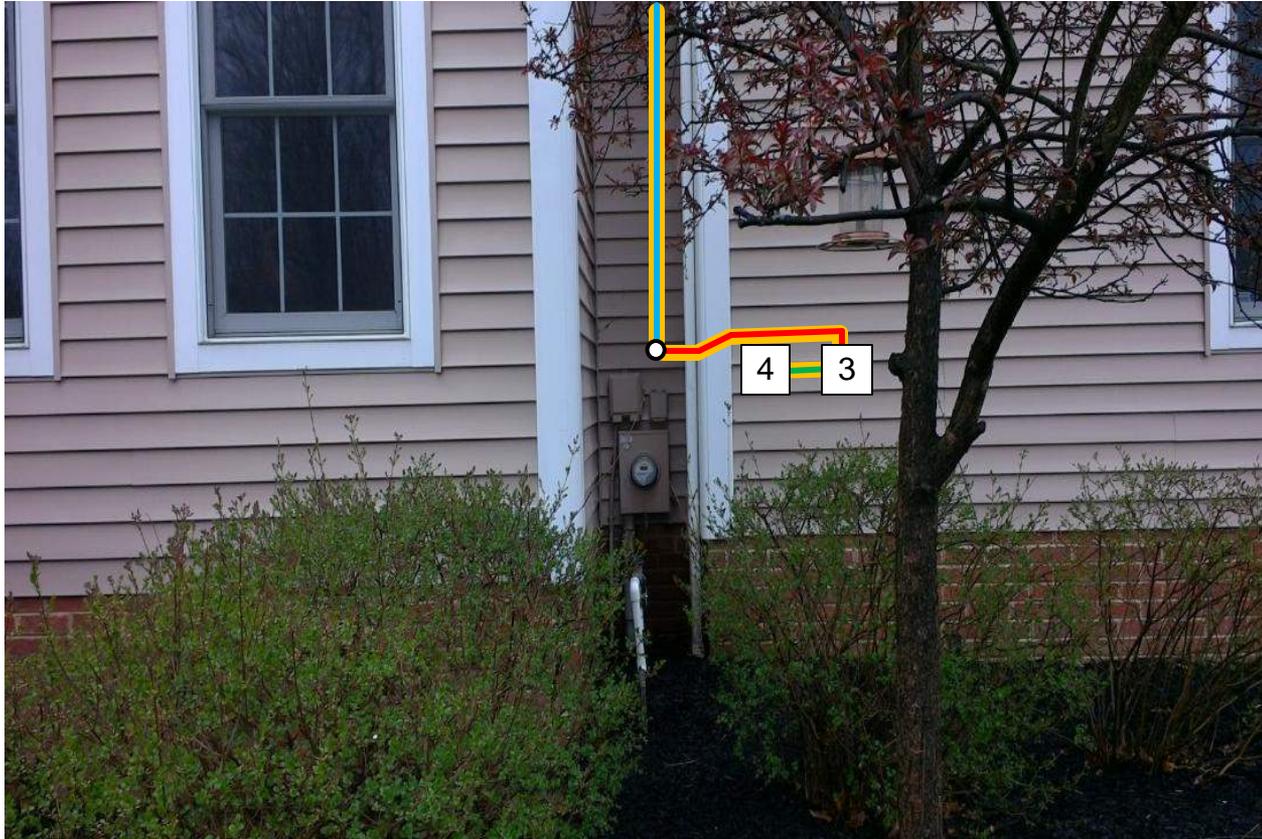
Wiring & Conduit	
	Conduit run
	Wire coming from Array to Solar Meter
	Wire coming from Solar Meter to AC Disconnect
1	Inverter A
2	Solar Meter
	Penetration

ADDRESS : 8 North Westhaven Drive Hudson, OH 44236
OWNER : Casey Weinstein

Customer Signature	

Wiring Diagram

505 - CW



Wiring & Conduit	
	Conduit run
	Wire coming Array to Solar Meter
	Wire coming from Solar Meter to AC Disconnect
	Wire coming from AC Disconnect to Utility Meter
3	AC Disconnect
4	Junction Box (Supply Side Connection)
○	Penetration

ADDRESS : 8 North Westhaven Drive Hudson, OH 44236
OWNER : Casey Weinstein

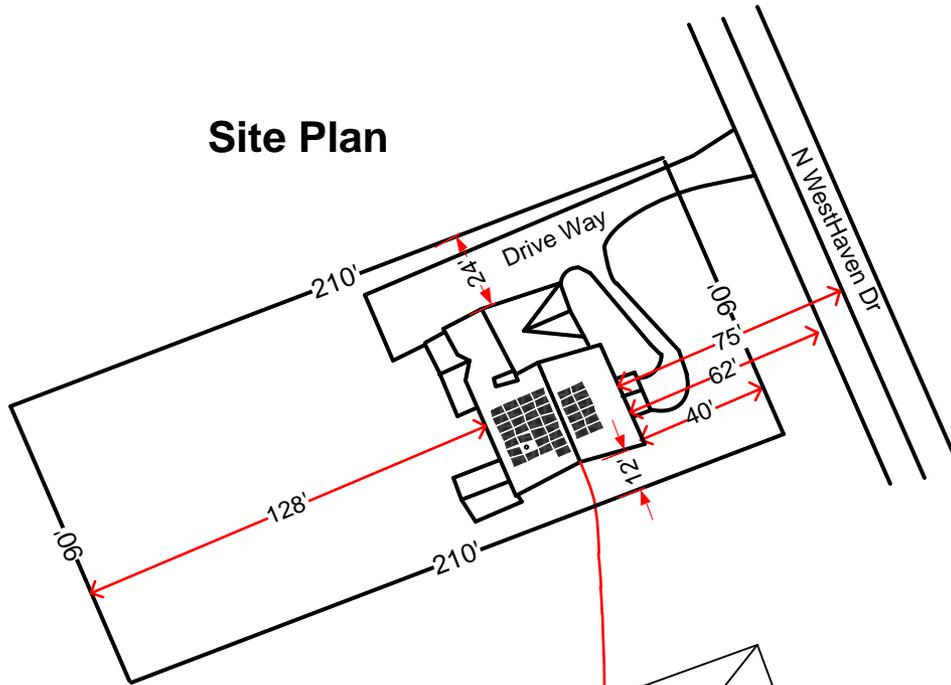
Customer Signature	



Property Line Diagram

505 - CW

Site Plan



Main Connection of Electricity

Grid Connection: Underground

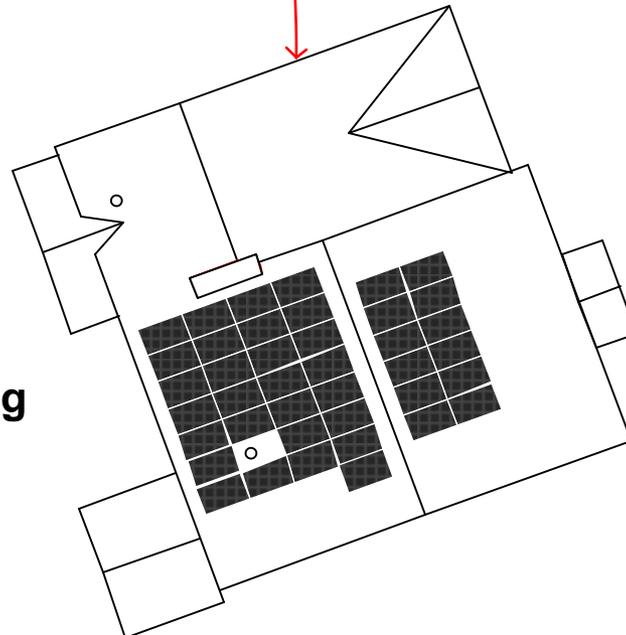
Property Details

Total Land Area in Sq.ft: 18900
Total Area in Acreage: 0.433
Depth(ft.): 210
Frontage(ft.): 90
Right Setback(ft.): 24
Left Setback(ft.): 12
Front Setback(ft.): 40
Rear Setback(ft.): 128
Total Building in Property: 1

Area of installation

Total Area of Building: 2200 Sq.ft
Total Area of Roof 1: 1300 Sq.ft
Total Area of Roof 2: 850 Sq.ft
Total Area used for Solar Installation: 704 Sq.ft
Roof 1 Total Area used for Installation: 493 Sq.ft
Roof 2 Total Area used for Installation: 211 Sq.ft
Percentage of Building used in Installation: 32%
Percentage of Roof 1 used in Installation: 37%
Percentage of Roof 2 used in Installation: 24%
Building Height (Story): 2

Aerial View of building



ADDRESS: 8 North Westhaven Dr. Hudson, OH 44236

OWNER: Casey Weinstein

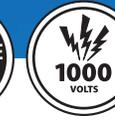






Los Angeles • Toronto • Minneapolis

SLA-M Monocrystalline



300 Wp 60 Cell

Monocrystalline PV Module

100% MAXIMUM POWER DENSITY

Silfab's SLA-M 300 ultra-high-efficiency modules are optimized for both Residential and Commercial projects where maximum power density is preferred.

100% NORTH AMERICAN QUALITY MATTERS

Silfab's fully-automated manufacturing facility ensures precision engineering is applied at every stage. Superior reliability and performance combine to produce one of the highest quality modules with the lowest defect rate in the industry.

NORTH AMERICAN CUSTOMIZED SERVICE

Silfab's 100% North American based team leverages just-in-time manufacturing to deliver unparalleled service, on-time delivery and flexible project solutions.



ENSURES MAXIMUM EFFICIENCY

60 of the highest efficiency, premium quality monocrystalline cells result in a maximum power rating of 300Wp.

ADVANCED PERFORMANCE WARRANTY

25-year linear power performance guarantee to 82%

ENHANCED PRODUCT WARRANTY

12-year product/workmanship warranty

BUILT BY INDUSTRY EXPERTS

With over 35 years of industry experience, Silfab's technical team are pioneers in PV technology and are dedicated to an innovative approach that provides superior manufacturing processes including: infra-red cell sorting, glass washing, automated soldering and meticulous cell alignment.

POSITIVE TOLERANCE

(-0/+5W) All positive module sorting ensures maximum performance

44 PPM DEFECT RATE*

Total automation ensures strict quality control during each step of the process at our certified ISO manufacturing facility. *As of December 31, 2016

LIGHT AND DURABLE

Over-engineered to weather low load bearing structures up to 5400 Pa. Light-weight frame exclusively designed with wide-ranging racking compatibility and durability.

PID RESISTANT

Proven in accordance to IEC 62804-1

AVAILABLE IN

All Black



Electrical Specifications		SILFAB SLA Monocrystalline	
Test Conditions		STC	NOCT
Module Power (Pmax)	Wp	300	227
Maximum power voltage (Vpmax)	V	32.8	29.5
Maximum power current (Ipmax)	A	9.16	7.69
Open circuit voltage (Voc)	V	39.85	36.9
Short circuit current (Isc)	A	9.71	7.96
Module efficiency	%	18.4	17.3
Maximum system voltage (VDC)	V		1000
Series fuse rating	A		15
Power Tolerance	Wp		-0/+5

Measurement conditions: STC 1000 W/m² • AM 1.5 • Temperature 25 °C • NOCT 800 W/m² • AM 1.5 • Measurement uncertainty ≤ 3%
 • Sun simulator calibration reference modules from Fraunhofer Institute. Electrical characteristics may vary by ±5% and power by -0/+5W.

Temperature Ratings		SILFAB SLA Monocrystalline	
Temperature Coefficient Isc	%/K		0.03
Temperature Coefficient Voc	%/K		-0.30
Temperature Coefficient Pmax	%/K		-0.38
NOCT (± 2°C)	°C		45
Operating temperature	°C		-40/+85

Mechanical Properties and Components		SILFAB SLA Monocrystalline	
Module weight (± 1 kg)	kg		19
Dimensions (H x L x D; ± 1mm)	mm		1650 x 990 x 38
Maximum surface load (wind/snow)*	N/m ²		5400
Hail impact resistance			Ø 25 mm at 83 km/h
Cells			60 - Si monocrystalline - 3 or 4 busbar - 156.75 x 156.75 mm
Glass			3.2 mm high transmittance, tempered, antireflective coating
Backsheet			Multilayer polyester-based
Frame			Anodized Al
Bypass diodes			3 diodes-45V/12A, IP67/IP68
Cables and connectors (See installation manual)			1200 mm Ø 5.7 mm (4 mm ²), MC4 compatible

Warranties		SILFAB SLA Monocrystalline	
Module product warranty			12 years 25 years
Linear power performance guarantee			≥ 97% end of 1 st year ≥ 90% end of 12 th year ≥ 82% end of 25 th year

Certifications		SILFAB SLA Monocrystalline	
Product			ULC ORD C1703, UL 1703, IEC 61215, IEC 61730, IEC 61701, CEC listed UL Fire Rating: Type 2 (Type 1 on request)
Factory			ISO 9001:2008



Warning: Read the installation and User Manual before handling, installing and operating modules.

Third-party generated pan files from PV Evolution Labs available for download at: www.silfab.ca/downloads

- Pallet Count: up to 25 per pallet
- Container Count: 900



Silfab Solar Inc.
 240 Courtneypark Drive East • Mississauga, Ontario Canada L5T 2S5
 Tel +1 905-255-2501 • Fax +1 905-696-0267
 info@silfab.ca • www.silfab.ca

