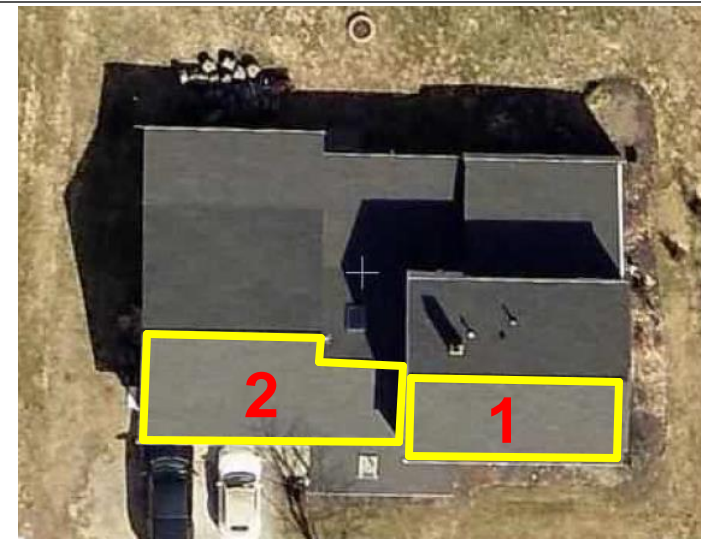



Roof 2: South
20 x Modules

Roof 1: South
16 x Modules



Legend

 Utility Meter & AC Disconnect (TBD)

Silfab
SIL-410 HC+



75.3 x 40.8 x 1.4 in

Project Manager: Zach Lalkowski
PH: (216) 290-5915
Email: zach.l@yellowlite.com

Inspection Notes for Crew

Total roof area: 3304 sq. ft.
Total roof area occupied by solar: 768 sq. ft.
Total roof occupancy percentage: 23.3%



PV Installation
Professional

Brandon Bower
Cert #: PV-102117-015361

System Details:

- Residential 14.76kW grid tied (photovoltaic) system.
- This system has been designed in accordance with all current and applicable NEC, OBC, and RCO codes.
- Height of the arrays: 3-4in above the roof, parallel to the roof.
- Weight of the arrays: Less than 4lbs/ft².
- Area of the array: 6.27ft. x 3.4ft. x 36 = 767.5 sq. ft.
- Weight of the arrays: 47 lbs. x 36 = 1692 lbs.
- Stress of the arrays: 1692 lbs./767.5 sq. ft.= 2.20 lbs./sq. ft.
- No trenching would be needed with this project.

Customer Signature

Derek McDowell
6543 Highland Road,
Mayfield, OH, 44143
PH: (440) 415-5573

PV Layout
14.76kW Solar Photovoltaic
Project: 2355 - DM



1925 St. Clair Ave NE
Cleveland, Ohio 44114
Phone: 216-333-1364
www.yellowlite.com

SYSTEM: 36 x Silfab SIL-410 HC+ @410W -14.76kW • AZIMUTH: R1,2: 182° • PITCH: R1,2: 23°

North



South



Silfab
SIL-410 HC+



75.3 x 40.8 x 1.4 in

Project Manager: Zach Lalkowski
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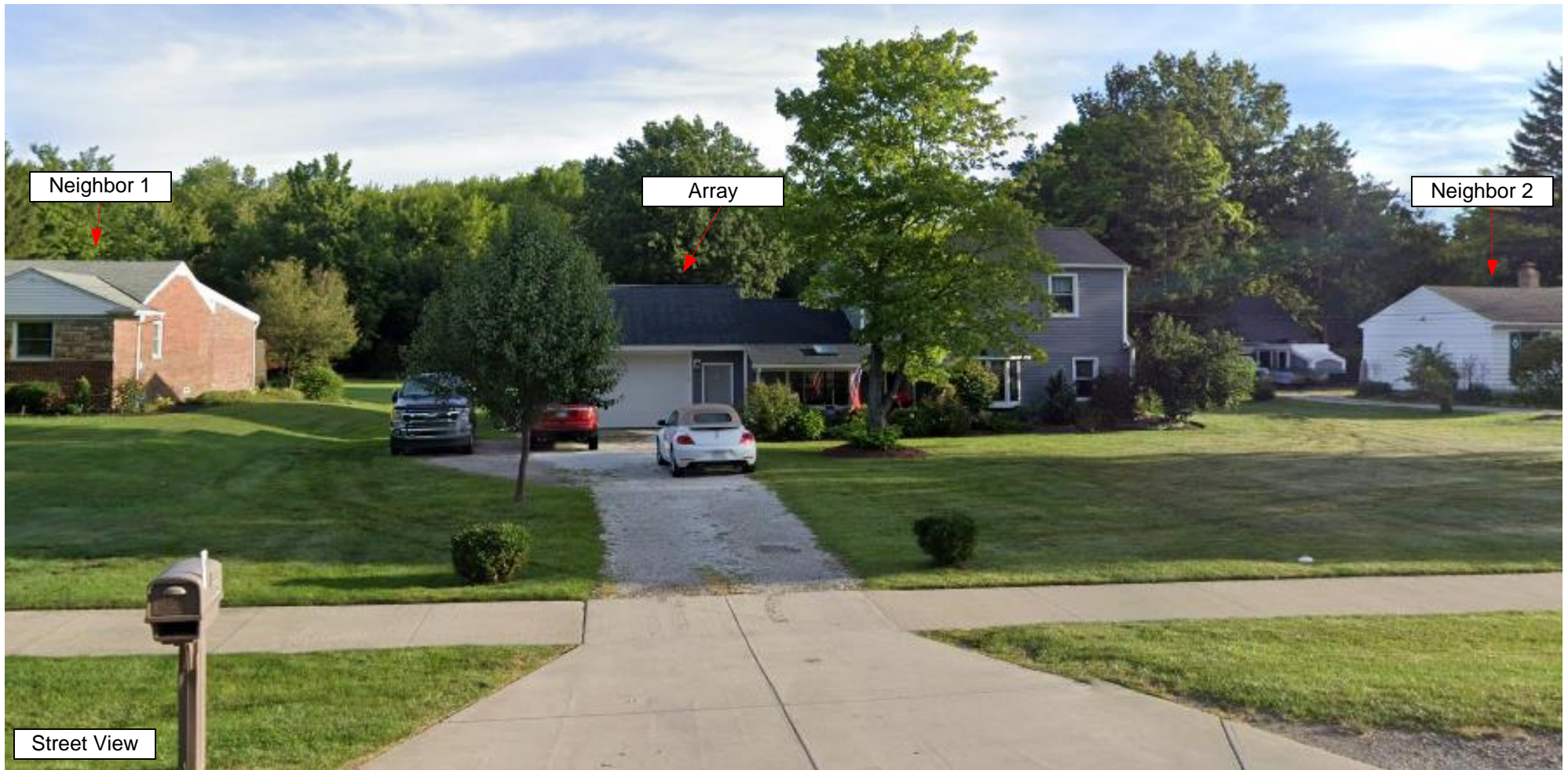
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YellowLite
Harvesting Clean Energy

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After Installation, PV system will look like this

Solar panel is elevated 4" above the roof surface

Conduit will be painted to match the house siding



PV Installation Professional

Brandon Bower
Cert #: PV-102117-015361

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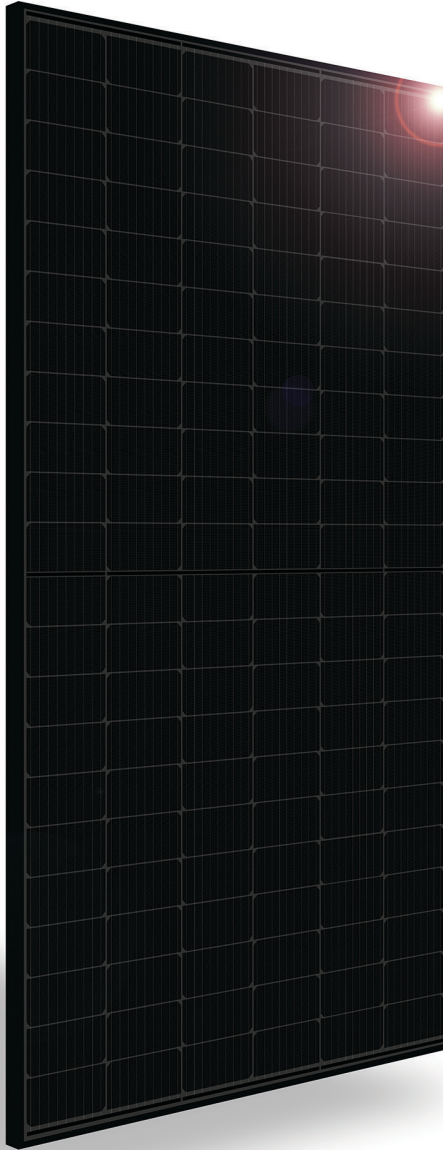


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Harvesting Clean Energy

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SILFAB PRIME

SIL-400 HC+



RELIABLE ENERGY. DIRECT FROM THE SOURCE.

Designed to outperform.
Dependable, durable, high-performance
solar panels engineered for North
American homeowners.

SILFABSOLAR.COM



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* Chubb provides error and omission insurance to Silfab Solar Inc.

ELECTRICAL SPECIFICATIONS		400	
Test Conditions		STC	NOCT
Module Power (Pmax)	Wp	400	298
Maximum power voltage (Vpmax)	V	36.05	33.50
Maximum power current (Ipmax)	A	11.10	8.90
Open circuit voltage (Voc)	V	43.02	40.35
Short circuit current (Isc)	A	11.58	9.34
Module efficiency	%	20.2%	18.8%
Maximum system voltage (VDC)	V		1000
Series fuse rating	A		20
Power Tolerance	Wp		0 to +10

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 to +10W.

MECHANICAL PROPERTIES / COMPONENTS	METRIC	IMPERIAL
Module weight	21.3kg ±0.2kg	47lbs ±0.4lbs
Dimensions (H x L x D)	1914 mm x 1036 mm x 35 mm	75.3 in x 40.8 in x 1.37 in
Maximum surface load (wind/snow)*	5400 Pa rear load / 5400 Pa front load	112.8 lb/ft ² rear load / 112.8 lb/ft ² front load
Hail impact resistance	ø 25 mm at 83 km/h	ø 1 in at 51.6 mph
Cells	132 Half cells - Si mono PERC 9 busbar - 83 x 166 mm	132 Half cells - Si mono PERC 9 busbar - 3.26 x 6.53 in
Glass	3.2 mm high transmittance, tempered, DSM antireflective coating	0.126 in high transmittance, tempered, DSM antireflective coating
Cables and connectors (refer to installation manual)	1350 mm, ø 5.7 mm, MC4 from Staubli	53 in, ø 0.22 in (12AWG), MC4 from Staubli
Backsheet	High durability, superior hydrolysis and UV resistance, multi-layer dielectric film, fluorine-free PV backsheet	
Frame	Anodized Aluminum (Black)	
Bypass diodes	3 diodes-30SQ045T (45V max DC blocking voltage, 30A max forward rectified current)	
Junction Box	UL 3730 Certified, IEC 62790 Certified, IP68 rated	

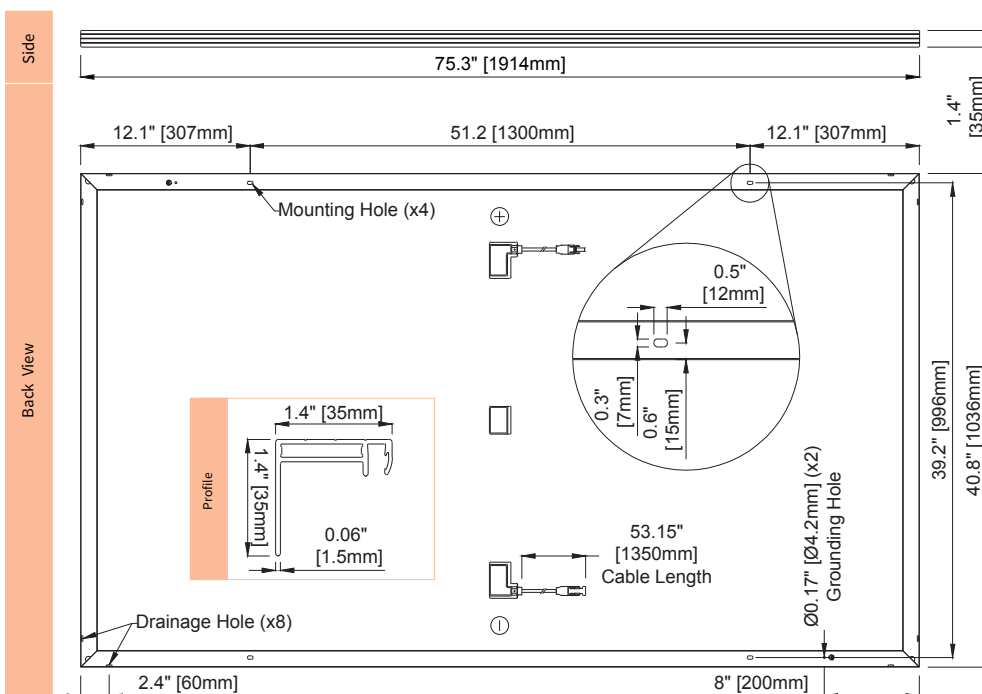
TEMPERATURE RATINGS		WARRANTIES	
Temperature Coefficient Isc	+0.064 %/°C	Module product workmanship warranty	25 years**
Temperature Coefficient Voc	-0.28 %/°C	Linear power performance guarantee	30 years
Temperature Coefficient Pmax	-0.36 %/°C		≥ 97.1% end 1st yr ≥ 91.6% end 12th yr ≥ 85.1% end 25th yr ≥ 82.6% end 30th yr
NOCT (± 2°C)	45 °C		
Operating temperature	-40/+85 °C		

CERTIFICATIONS		SHIPPING SPECS	
Product	UL 61215-1:2017 Ed.1, UL 61215-2:2017 Ed.1, UL 61730-1:2017 Ed.1, UL 61730-2:2017 Ed.1, CSA C22.2#61730-1:2019 Ed.2, CSA C22.2#61730-2:2019 Ed.2, IEC 61215-1:2016 Ed.1, IEC 61215-2:2016 Ed.1, IEC 61730-1:2016 Ed.2, IEC 61730-2:2016 Ed.2, IEC 61701:2020 (Salt Mist Corrosion), IEC 62716:2013 (Ammonia Corrosion), UL Fire Rating: Type 2, CEC Listed.	Modules Per Pallet:	26 or 26 (California)
Factory	ISO9001:2015	Pallets Per Truck	32 or 30 (California)
		Modules Per Truck	832 or 780 (California)

* ⚠ Warning. Read the Safety and Installation Manual for mounting specifications and before handling, installing and operating modules.

** 12 year extendable to 25 years subject to registration and conditions outlined under "Warranty" at silfabsolar.com.

PAN files generated from 3rd party performance data are available for download at: silfabsolar.com/downloads.



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Silfab - SIL-400-HC+-20230726

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