(N) = New (E) = Existing

200A Panel(E)

Μ

DTE meter (E)

Electrical One Line: Category 1, 10.8 kW DC 10kW AC

All work to comply with the 2017 Michigan Electrical Code

PV Disconnect (N)

60A, non-fused

NEMA 3R, Lockable

Located

within 5'

of DTE

meter

60A

Solar(N)

Located in

electrical

room

grouped

with panel

Inverter (N)
SolarEdge SE10000H-US
240V single phase inverter
Integrated DC Disconnect
Rapid Shutdown

AC

DC+/
Located
inside by

SolarEdge
P505 Optimizers(N)

<u>Installer</u> Homeland Solar 4975 Miller Ann Arbor, MI 48103 #2102200014

License

48105

Ann Arbor, MI Maintenance

<u>Owner</u> Leslie Park Golf Course 2120 Traver Rd

> drawn by L. Hoot 5/20/2022



**HOMEL** 

Module Ratings
Znshine Solar
ZXM6-NHLDD144-450

Pmax(W)

Vmp(V)

Imp(A)

Voc(V)

Isc(A)

4-450 450 42.1 10.69 50.50 11.58

All components are UL listed and CEC Certified, where warranted.

main panel

Inverter Ratings
SolarEdge SE10000H-US

Input: 27A @ 400 V DC Output: 42A @ 240 V AC UL1741, UL1699B, UL1998, CSA 22.2

1. All installation materials and methods will comply with requirements of Michigan 2015 Building Code and 2017 National Electrical Code, in particular NEC 2017 Article 690.

2. SolarEdge inverters and optimizers provide overcurrent, DC ground fault protection, arc fault detection, and rapid shutdown compliant with NEC 690.

- 3. If existing grounding electrode cannot be verified, contractor shall install supplemental ground electrode per NEC 2017 Article 250.
- 4. All equipment and raceways will be bonded and grounded per code and manufacturers instructions.