(N) = NewElectrical One Line: Category 2, 47.25 kW DC 39.15kW AC All work to comply with the 2017 Michigan Electrical Code ) = Existing #2102200014 Ann Arbor, MI 48103 Inverter (N) Homeland Solar AC Combiner (N) 4975 Miller 3- SolarEdge SE11400H-US <u>Installer</u> 240V single phase 240V single phase inverter Integrated DC Disconnect 3-60A breaker Rapid Shutdown License PV Disconnect (N) PV Array (N) 200A, fused w/200 87 Znshine 450W AC Generation fuses 39.15 kW DC Meter(N) NEMA 3R. DC+/-200A Ann Arbor Farmers Market Lockable 240V Ann Arbor, MI 48104 AC 315 Detroit St SolarEdge Μ P505 Optimizers(N) DC+/-AC within 5' Outside Outside on of DTE by DTE south wall meter DC+/meter inverters located CTdrawn by outside on south wall Cabinet L. Hoot DTE meter(E) (E) 5/23/2022 Tap (N) All components are UL listed and **Module Ratings** CEC Certified, where warranted. **Znshine Solar** ZXM6-NHLDD144-450 Switchgear(E) **Inverter Ratings** Pmax(W) 450 600A Main SolarEdge SE11400H-US 42.1 Vmp(V) Input: 31A @ 400 V DC Imp(A) 10.69 Output: 48A @ 240 V AC Voc(V) 50.50 UL1741, UL1699B, UL1998, CSA 22.2 Isc(A) 11.58 1. All installation materials and methods will comply with requirements of Michigan 2015 Building Code and 2017 National **HOMEL** 

- 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.