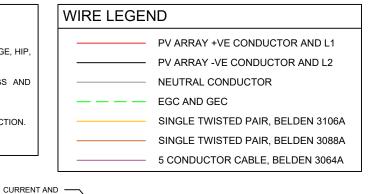
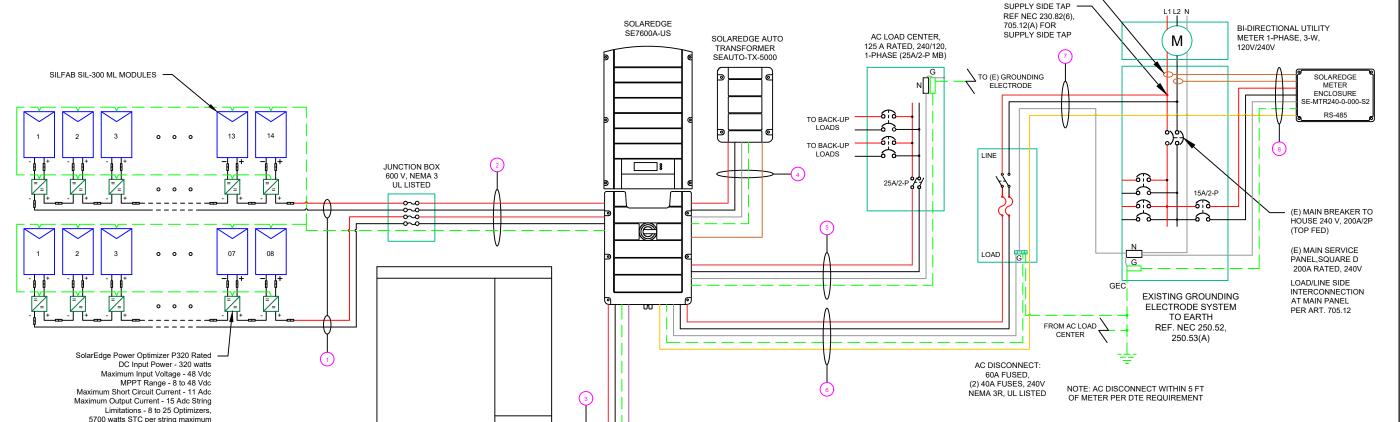


ELECTRICAL NOTES

- 1.) ALL EQUIPMENT TO BE LISTED BY UL OR OTHER NRTL, AND LABELED FOR ITS APPLICATION
- 2.) ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 V AND 90 DEGREE C WET ENVIRONMENT
- 3.) WIRING, CONDUIT, AND RACEWAYS MOUNTED ON ROOFTOPS SHALL BE ROUTED DIRECTLY TO, AND LOCATED AS CLOSE AS POSSIBLE TO THE NEAREST RIDGE, HIP OR VALLEY.
- 4.) WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC 110.26.
- 5.) DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES AND STANDARDS.
- WHERE SIZES OF JUNCTION BOXES, RACEWAYS, AND CONDUITS ARE NOT SPECIFIED, THE CONTRACTOR SHALL SIZE THEM ACCORDINGLY
- 7.) ALL WIRE TERMINATIONS SHALL BE APPROPRIATELY LABELED AND READILY VISIBLE.
- 8.) MODULE GROUNDING CLIPS TO BE INSTALLED BETWEEN MODULE FRAME AND MODULE SUPPORT RAIL, PER THE GROUNDING CLIP MANUFACTURER'S INSTRUCTION.
- 9.) MODULE SUPPORT RAIL TO BE BONDED TO CONTINUOUS COPPER G.E.C. VIA WEEB LUG OR ILSCO GBL-4DBT LAY-IN LUG.
- 10.) THE POLARITY OF THE GROUNDED CONDUCTORS IS NEGATIVE



VOLTAGE SENSE



PHOTOVOLTAIC POWER SOURCE

LABEL 1 ON ALL CONDUITS SPACED AT MAX 10FT



AT INVERTER

LABEL 4 AT EACH DC DISCONNECT

LABEL 3

AT INVERTER

PHOTOVOLTAIC

DC DISCONNECT



LABEL 5 AT EACH AC DISCONNECT

LABEL 6 AT EACH AC DISCONNECT



LABEL 9 AT MEP

AT MEP

LG CHEM RESU10H 5.0kW, 9.3kWh



LABEL 11 AT UTILITY METER

				T	CONDUIT
	QTY	CO	NDUCTOR INFORMATION	CONDUIT TYPE	SIZE
1	(4)	#10AWG -	PV WIRE/USE-2	- N/A	N/A
	(1)	#6AWG -	BARE COPPER IN FREE AIR		
2	(4)	#6AWG -	THWN-2	EMT OR FLEX IN ATTIC , IMC OR PVC IN TRENCH	1"
	(1)	#6AWG -	THWN-2 GND		
3	(2)	#10AWG -	THWN-2	EMT OR FLEX	3/4"
	(1)	#10AWG -	THWN-2 GND		
	(1)	5 CONDUCT	OR CABLE, BELDEN 3064A		
4	(3)	#10AWG -	THWN-2	EMT OR FLEX	3/4"
	(1)	#10AWG -	THWN-2 GND		
	(1)	SINGLE TWI	STED PAIR, BELDEN 3088A		
5	(3)	#10AWG -	THWN-2	EMT OR FLEX	3/4"
	(1)	#10AWG -	THWN-2 GND		3/4
6	(3)	#6AWG -	THWN-2	EMT OR FLEX	3/4"
	(1)	#6AWG -	THWN-2 GND		
	(1)	SINGLE TWI	STED PAIR, BELDEN 3106A		
7	(3)	#6AWG -	THWN-2	EMT OR FLEX	3/4"
	(1)	SINGLE TWI	STED PAIR, BELDEN 3106A		
8	(3)	#14AWG -	THWN-2	ENT OR ELEV	0/48
	(1)	#14AWG -	THWN-2 GND		
	(2)	SINGLE TWISTED PAIR, BELDEN 3088A		EMT OR FLEX	3/4"
	(1)	SINGLE TWI	STED PAIR, BELDEN 3106A	1	



REVISIONS					
DESCRIPTION	DATE	REV			
Signature with Seal					

DATE: 01/06/2020 PROJECT NAME & ADDRESS

> 15024 ASHTON RD, DETROIT, MI 48223 DWIGHT BLAKEY RESIDENCE

> > DESIGNED BY

PHS

SHEET NAME

ELECTRICAL LINE DIAGRAM

SHEET SIZE

ANSI B 11" X 17"

SHEET NUMBER

PV-4