

# PROJECT DESCRIPTION:

12 X 320 SILFAB SOLAR SIL-320 BL MODULES  
 ROOF MOUNTED SOLAR PHOTOVOLTAIC MODULES

SYSTEM SIZE: 3.84 kW DC STC  
 ARRAY AREA: ROOF#1 - 128.10 SQ FT  
 ARRAY AREA: ROOF#2 - 91.50 SQ FT

### EQUIPMENT SUMMARY

- 12 SILFAB SOLAR SIL-320 BL MODULES
- 02 GENERAC PV LINK S2502 POWER OPTIMIZERS
- 01 GENERAC PWRCELL X7602 INVERTER

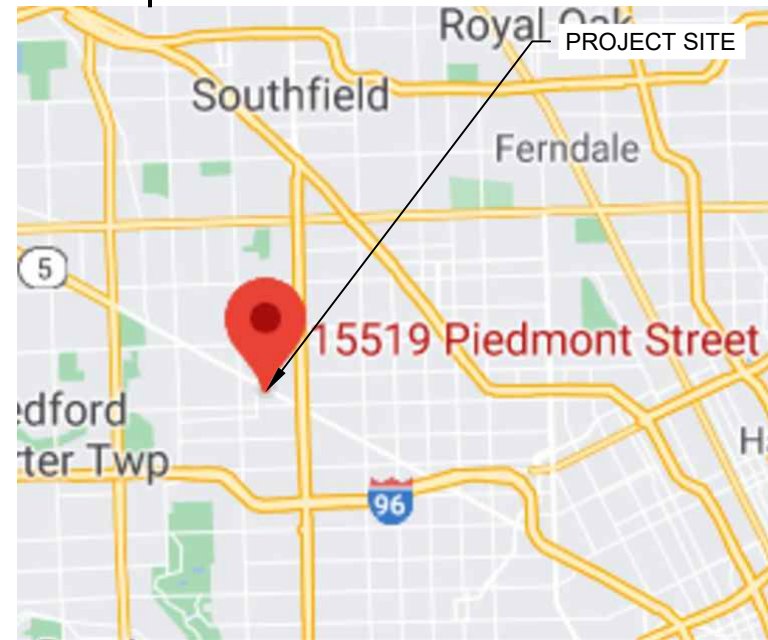
**APPLICABLE CODES & STANDARDS**  
 MICHIGAN RESIDENTIAL CODE 2015  
 NEC 2017

**AUTHORITIES HAVING JURISDICTION**  
 BUILDING : WAYNE COUNTY  
 ZONING : WAYNE COUNTY  
 UTILITY : DTE ENERGY

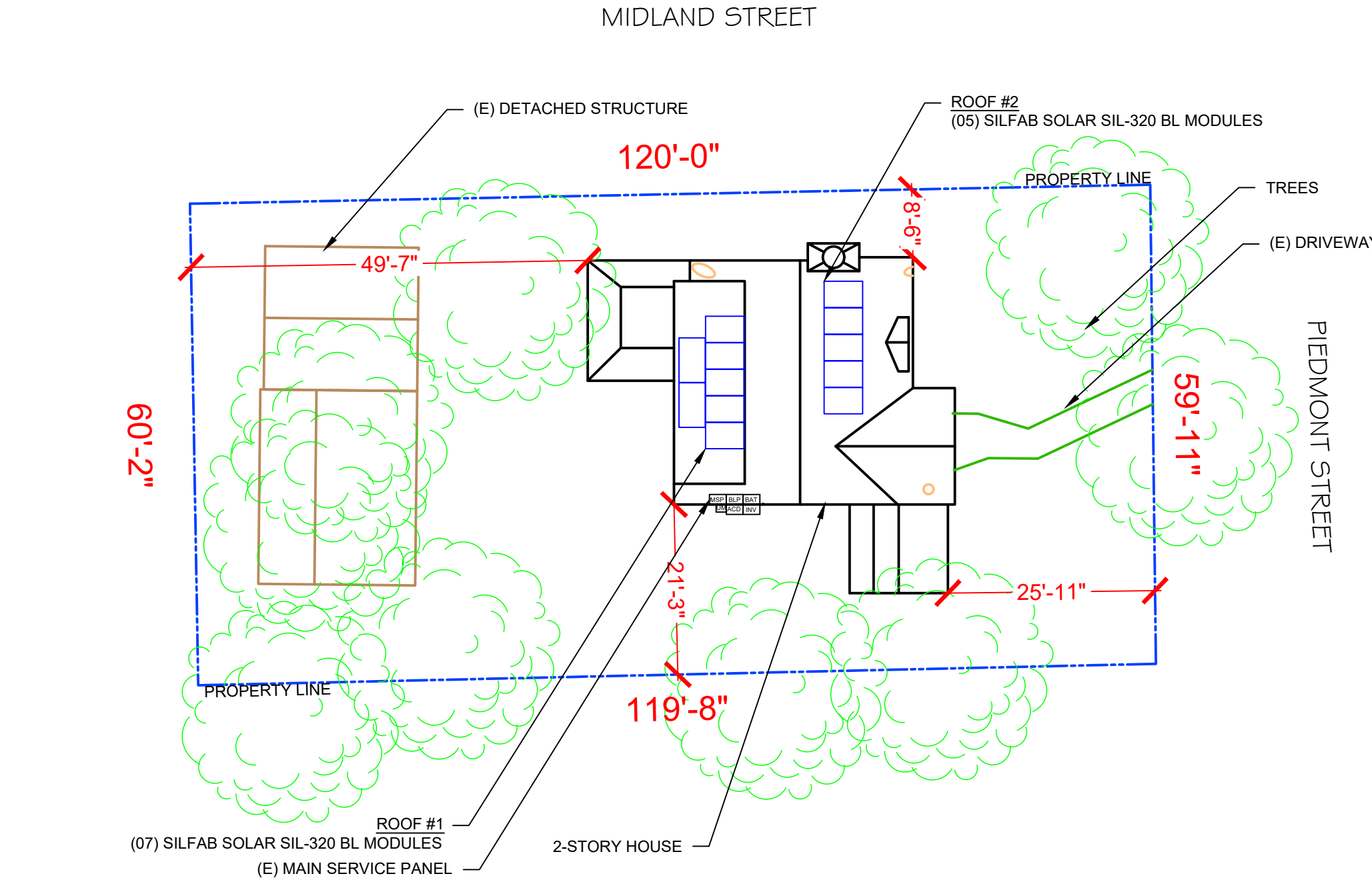
**DESIGN SPECIFICATIONS**  
 OCCUPANCY : II  
 CONSTRUCTION : SINGLE-FAMILY  
 ZONING : RESIDENTIAL  
 GROUND SNOW LOAD : SEE STRUCTURAL LETTER  
 WIND EXPOSURE : SEE STRUCTURAL LETTER  
 WIND SPEED : SEE STRUCTURAL LETTER



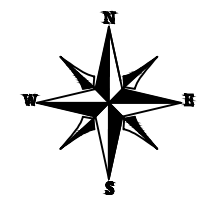
**2 HOUSE PHOTO**  
 PV-1 | SCALE: NTS



**3 VICINITY MAP**  
 PV-1 | SCALE: NTS



**1 PLOT PLAN & VICINITY MAP**  
 PV-1 | SCALE: 1/16" = 1'-0"



**POWERHOME**  
 POWER HOME SOLAR, LLC  
 "POWER YOUR FUTURE"  
 919 N. MAIN ST.  
 MOORESVILLE, NC 28115  
 Phone: 704-800-6591 (OFFICE)  
 Email: info@powerhome.com  
 Web: www.powerhome.com

REVISIONS		
DESCRIPTION	DATE	REV

Signature with Seal  
 DATE: 9/9/2020

**PROJECT NAME & ADDRESS**  
 MASAKO S GREEN  
 RESIDENCE  
 15519 PIEDMONT STREET,  
 DETROIT, MI 48223

SHEET NAME  
**PLOT PLAN & VICINITY MAP**

SHEET SIZE  
**ANSI B  
 11" X 17"**

SHEET NUMBER  
**PV-1**

**SHEET INDEX**

PV-1	PLOT PLAN & VICINITY MAP
PV-2	ROOF PLAN & MODULES
PV-2A	STRING LAYOUT
PV-3	ATTACHMENT DETAIL
PV-4	ELECTRICAL LINE DIAGRAM
PV-5	WIRING CALCULATIONS
PV-6 to 12	EQUIPMENT SPECIFICATIONS