

PHOTOVOLTAIC GROUND MOUNT SYSTEM

27 MODULES-GROUND MOUNTED - 9.99 kW DC, 7.830 kW AC, 4929 MILL STREET, FORTUNA, CALIFORNIA 95540

PROJECT DESCRIPTION SPECIFICATIONS:

- SYSTEM SIZE: (27) 370W = 9.99 kW DC
STC AC: (27) 290W = 7.830 kW
MODULE TYPE & AMOUNT: (27) BLUESUN BSM370M-60HPH-370W
MODULE DIMENSIONS: (L/W/H) 69.09"/40.87"/1.38"
INVERTER: (27) ENPHASE ENERGY IQ8PLUS-72-2-US
INTERCONNECTION METHOD: LOAD SIDE BREAKER IN (NEW) EXTERIOR MSP 225A
- ARRAY'S ON A RESIDENCE ON A GROUND MOUNT.
 - RUN LT ON THE EXTERIOR OF THE RESIDENCE. NON METALLIC LT IN TRENCHING FROM COMBINER TO AC DISCONNECT,
 - RACKING: SNAP - N - RACK

GOVERNING CODES

- ALL WORK SHALL CONFORM TO THE FOLLOWING CODES
- 2022 CALIFORNIA BUILDING CODE (CBC)
 - 2022 CALIFORNIA RESIDENTIAL CODE (CRC)
 - 2022 CALIFORNIA FIRE CODE (CFC)
 - 2022 CALIFORNIA ELECTRICAL CODE (CEC)
 - 2022 CALIFORNIA MECHANICAL CODE (CMC)
 - 2022 CALIFORNIA PLUMBING CODE (CPC)
 - 2022 CALIFORNIA ENERGY CODE, TITLE 24, PART 6
 - 2022 CALIFORNIA GREEN BUILDING STDS. CODE INCLUDING ALL LOCAL CODES

GENERAL NOTES:

- INSTALLATION OF SOLAR PHOTOVOLTAIC SYSTEM SHALL BE IN ACCORDANCE WITH CEC ARTICLE 690, AND ALL OTHER APPLICABLE CEC CODES WHERE NOTED OR EXISTING.
- PROPER ACCESS AND WORKING CLEARANCE AROUND EXISTING AND PROPOSED ELECTRICAL EQUIPMENT WILL COMPLY WITH NEC ARTICLE 110.
- ALL CONDUCTORS, INCLUDING THE GROUNDING ELECTRODE CONDUCTOR SHALL BE PROTECTED FROM PHYSICAL DAMAGE IN ACCORDANCE WITH NEC ARTICLE 250.
- THE PV MODULES ARE CONSIDERED NON-COMBUSTIBLE; THIS SYSTEM IS UTILITY INTERACTIVE PER UL 1741 AND DOES NOT INCLUDE STORAGE BATTERIES OR OTHER ALTERNATIVE STORAGE SOURCES.
- ALL DC WIRES SHALL BE SIZED ACCORDING TO [CEC 690.8]
- DC CONDUCTORS SHALL BE WITHIN PROTECTED RACEWAYS IN ACCORDANCE WITH [CEC 690.31]
- ALL SIGNAGE TO BE PLACED IN ACCORDANCE WITH LOCAL JURISDICTIONAL BUILDING CODE.
- PV MODULES TO BE RATED UL 1703 CLASS C FIRE RATING OR BETTER.
- ALL EQUIPMENT TO BE CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

EXPOSURE DESIGN CRITERIA:

- EXPOSURE CATEGORY : C
- GROUND SNOW LOAD : 5 PSF.
- ASCE 7-16 RISK II WIND SPEED : 92 MPH

SHEET INDEX:

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|--------------|----------------------|
| PV 0.0: | COVER & SITE PLAN |
| PV 1.0: | ARRAY LAYOUT |
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| E 1.1: | 1-LINE DIAGRAM |
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| E 1.6-E 1.8 | EQUIPMENT SPEC SHEET |



WEST JORDAN, UT, 84008
LICENSE #: 10516638-5501

REVISIONS

| Description | Date | Rev |
|------------------------------|-----------|-----|
| Initial Design | 3/18/2023 | 00 |
| Re-Design | 3/21/2023 | A |
| Re-Design | 3/24/2023 | B |
| Msp & Meter Location Change | 3/29/2023 | C |
| Road Location Change Request | 3/10/2025 | D |
| Change Request | 3/12/2025 | E |
| Layout Change | 3/17/2025 | F |
| Layout Change | 4/14/2025 | G |

DC SYSTEM SIZE: 9.99 kW DC
AC SYSTEM SIZE: 7.83 kW AC

Signature with Seal

Project Name & Address

MATTHEW SOCHA RESIDENCE
4929 MILL STREET,
FORTUNA, CALIFORNIA 95540

Sheet Name

COVER & SITE PLAN

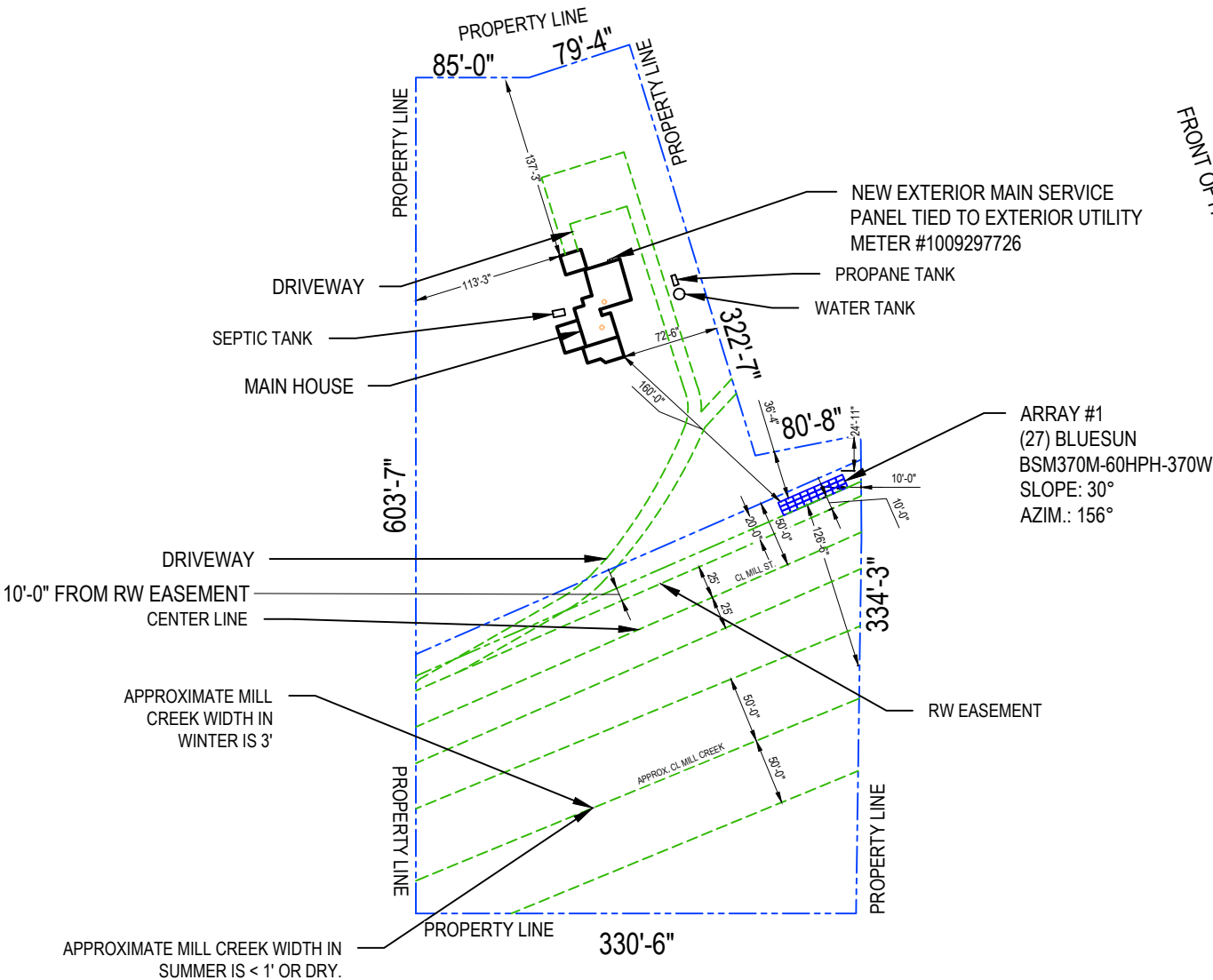
Sheet Size

ANSI B
11" X 17"

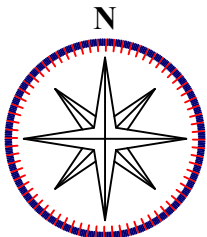
Sheet Number

PV 0.0

QC BY



MILL STREET.



1

SITE PLAN

PV 0.0

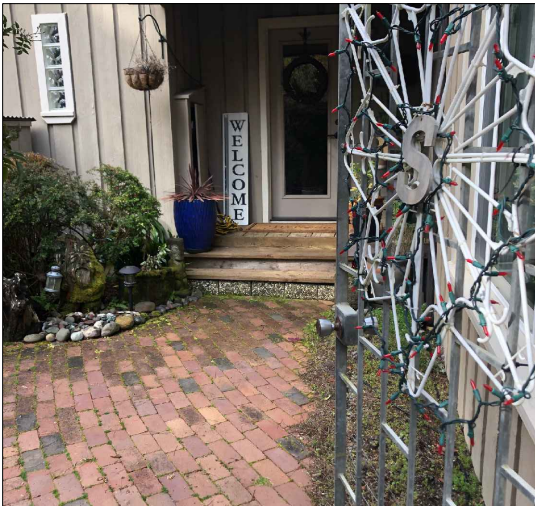
SCALE: 1/128" = 1'-0"

2

AERIAL VIEW MAP

PV 0.0

SCALE: NTS



3

FRONT OF HOUSE

PV 0.0

SCALE: NTS