

|                        |           |           |           |           |
|------------------------|-----------|-----------|-----------|-----------|
| SYSTEM SUMMARY         |           |           |           |           |
|                        | BRANCH #1 | BRANCH #2 | BRANCH #3 | BRANCH #4 |
| INVERTERS PER BRANCH   | 7         | 7         | 7         | 7         |
| MAX AC CURRENT         | 8.47A     | 8.47A     | 8.47A     | 8.47A     |
| MAX AC OUTPUT POWER    | 2,030W    | 2,030W    | 2,030W    | 2,030W    |
| ARRAY STC POWER        | 10,500W   |           |           |           |
| ARRAY PTC POWER        | 9,657W    |           |           |           |
| MAX AC CURRENT         | 33.88A    |           |           |           |
| MAX AC POWER           | 8,120W    |           |           |           |
| DERATED (CEC) AC POWER | 8,120W    |           |           |           |

|         |      |                                  |      |         |       |       |        |       |                        |             |
|---------|------|----------------------------------|------|---------|-------|-------|--------|-------|------------------------|-------------|
| MODULES |      |                                  |      |         |       |       |        |       |                        |             |
| REF.    | QTY. | MAKE AND MODEL                   | PMAX | PTC     | ISC   | IMP   | VOC    | VMP   | TEMP. COEFF. OF VOC    | FUSE RATING |
| PM1-28  | 28   | JINKO EAGLE 72M G2 JKM375M-72L-V | 375W | 344.90W | 9.68A | 9.33A | 48.70V | 9.33V | -0.141V/°C (-0.29%/°C) | 20A         |

|           |     |                         |            |          |             |             |                    |                   |                   |                         |
|-----------|-----|-------------------------|------------|----------|-------------|-------------|--------------------|-------------------|-------------------|-------------------------|
| INVERTERS |     |                         |            |          |             |             |                    |                   |                   |                         |
| REF.      | QTY | MAKE AND MODEL          | AC VOLTAGE | GROUND   | OCPD RATING | RATED POWER | MAX OUTPUT CURRENT | MAX INPUT CURRENT | MAX INPUT VOLTAGE | CEC WEIGHTED EFFICIENCY |
| I1-28     | 28  | ENPHASE IQ7PLUS-72-2-US | 240A       | FLOATING | 20A         | 290W        | 1.21A              | 20A               | 60V               | 97.0%                   |

|             |      |                  |               |                   |       |     |               |             |
|-------------|------|------------------|---------------|-------------------|-------|-----|---------------|-------------|
| DISCONNECTS |      |                  |               |                   | OCPDS |     |               |             |
| REF.        | QTY. | MAKE AND MODEL   | RATED CURRENT | MAX RATED VOLTAGE | REF.  | QTY | RATED CURRENT | MAX VOLTAGE |
| SW1         | 1    | SQUARE D D222NRB | 60A           | 240V              | CB1-4 | 4   | 20A           | 240V        |
|             |      |                  |               |                   | CB5   | 1   | 15A           | 240V        |
|             |      |                  |               |                   | FU1-2 | 2   | 45A           | 240V        |

|                    |                                                     |
|--------------------|-----------------------------------------------------|
| ASHRAE EXTREME LOW | 33.7°C (92.7°F), SOURCE: ESSEX CO (-74.28°; 40.88°) |
| ASHRAE 2% HIGH     | 33.7°C (92.7°F), SOURCE: ESSEX CO (-74.28°; 40.88°) |

|                      |          |                            |        |     |        |          |                                                                         |
|----------------------|----------|----------------------------|--------|-----|--------|----------|-------------------------------------------------------------------------|
| BILL OF MATERIAL     |          |                            |        |     |        |          |                                                                         |
| CATEGORY             | MAKE     | MODEL NUMBER               | REF    | QTY | UNIT   | QTY/UNIT | DESCRIPTION                                                             |
| PV MODULE            | JINKO    | EAGLE 72M G2 JKM375M-72L-V | PM1-28 | 28  | PIECE  | 1        | JINKO EAGLE 72M G2 JKM375M-72L-V 375W 72 CELLS, MONOCRYSTALLINE SILICON |
| INVERTER             | ENPHASE  | IQ7PLUS-72-2-US            | I1-28  | 28  | PIECE  | 1        | ENPHASE IQ7PLUS-72-2-US 290W MICROINVERTER                              |
| DISCONNECT           | SQUARE D | D222NRB                    | SW1    | 1   | PIECE  | 1        | SQUARE D D222NRB, FUSED, 2-POLE, 60A, 240VAC, NEMA 3R OR EQUIVALENT     |
| AC COMBINER PANEL    | ENPHASE  | IQ COMBINER 3-ES           | EP1    | 1   | PIECE  | 1        | ENPHASE IQ COMBINER 3-ES 125A COMBINER PANEL                            |
| PRODUCTION METER     | GENERIC  | GENERIC PV METER           | PVM1   | 1   | PIECE  | 1        | GENERIC PV METER                                                        |
| MONITORING           | ENPHASE  | ENPHASE-ENVOY              | ENV1   | 1   | PIECE  | 1        | ENPHASE ENVOY                                                           |
| WIRING               | GENERIC  | Q-12-10-240                | WR1    | 119 | FEET   | 1        | ENPHASE Q-CABLE                                                         |
| WIRING               | GENERIC  | GEN-6-AWG-BARE-CU          | WR1    | 119 | FEET   | 1        | 6 AWG BARE, COPPER (GROUND)                                             |
| WIRING               | GENERIC  | GEN-10-AWG-THWN-2-CU-RD    | WR2    | 40  | FEET   | 1        | 10 AWG THWN-2, COPPER, RED (LINE 1)                                     |
| WIRING               | GENERIC  | GEN-10-AWG-THWN-2-CU-BLK   | WR2    | 40  | FEET   | 1        | 10 AWG THWN-2, COPPER, BLACK (LINE 2)                                   |
| WIRING               | GENERIC  | GEN-10-AWG-THWN-2-CU-GR    | WR2-5  | 70  | FEET   | 1        | 10 AWG THWN-2, COPPER, GREEN (GROUND)                                   |
| WIRING               | GENERIC  | GEN-8-AWG-THWN-2-CU-RD     | WR3-4  | 20  | FEET   | 1        | 8 AWG THWN-2, COPPER, RED (LINE 1)                                      |
| WIRING               | GENERIC  | GEN-8-AWG-THWN-2-CU-BLK    | WR3-4  | 20  | FEET   | 1        | 8 AWG THWN-2, COPPER, BLACK (LINE 2)                                    |
| WIRING               | GENERIC  | GEN-8-AWG-THWN-2-CU-WH     | WR3-4  | 20  | FEET   | 1        | 8 AWG THWN-2, COPPER, WHITE (NEUTRAL)                                   |
| WIRING               | GENERIC  | GEN-6-AWG-THWN-2-CU-RD     | WR5    | 10  | FEET   | 1        | 6 AWG THWN-2, COPPER, RED (LINE 1)                                      |
| WIRING               | GENERIC  | GEN-6-AWG-THWN-2-CU-BLK    | WR5    | 10  | FEET   | 1        | 6 AWG THWN-2, COPPER, BLACK (LINE 2)                                    |
| WIRING               | GENERIC  | GEN-6-AWG-THWN-2-CU-WH     | WR5    | 10  | FEET   | 1        | 6 AWG THWN-2, COPPER, WHITE (NEUTRAL)                                   |
| WIREWAY              | GENERIC  | GEN-EMT-0.5"-DIA           | WW2    | 10  | FEET   | 1        | EMT CONDUIT 0.5" DIA                                                    |
| WIREWAY              | GENERIC  | GEN-EMT-0.75"-DIA          | WW3-5  | 30  | FEET   | 1        | EMT CONDUIT 0.75" DIA                                                   |
| OCPD                 | GENERIC  | GEN-CB-20A-240VAC          | CB1-4  | 4   | PIECES | 1        | CIRCUIT BREAKER, 20A, 240VAC                                            |
| OCPD                 | GENERIC  | GEN-CB-15A-240VAC          | CB5    | 1   | PIECE  | 1        | CIRCUIT BREAKER, 15A, 240VAC                                            |
| OCPD                 | GENERIC  | GEN-FU-45A-240VAC          | FU1-2  | 2   | PIECES | 1        | FUSE, 45A, 240VAC                                                       |
| TRANSITION ENCLOSURE | GENERIC  | GEN-AWB-TB-4-4X            | JB1    | 1   | PIECE  | 1        | TRANSITION/PASS-THROUGH BOX, WITH 4 TERMINAL BLOCKS                     |



CONTRACTOR

STRAWBERRY SOLAR

PHONE: (313)-960-7900

ADDRESS: 4444 2ND AVENUE WAYNE COUNTY DETROIT, MI 48201

LIC.NO.: 2101211279

HIC.NO.:

ELE.NO.:

UNAUTHORIZED USE OF THIS DRAWING SET WITHOUT WRITTEN PERMISSION FROM CONTRACTOR IS IN VIOLATION OF U.S. COPYRIGHT LAWS AND WILL BE SUBJECT TO CIVIL DAMAGES AND PROSECUTIONS.

NEW PV SYSTEM: 10,500 KWP

BARONE RESIDENCE

31 SCUDDERS ROAD SPARTA TOWNSHIP, NJ 07871

APN: 1826001000000004

ENGINEER OF RECORD

PAPER SIZE: 11" x 17" (ANSI B)

ELECTRICAL PLAN

DATE: 2023-12-12

DESIGN BY: A. SHAPOVALENKO

CHECKED BY: UKRDRAFTING

REVISIONS