





NOTES

1. EXISTING PLUMBING VENTS, SKYLIGHTS,EXHAUST OUTLETS, VENTILATIONS INTAKE AIR OPENINGS SHALL NOT BE COVERED BY THE SOLAR PHOTOVOLTAIC SYSTEM.

2. EQUIPMENT. INVERTERS, MOTOR GENERATORS, PHOTOVOLTAIC MODULES, PHOTOVOLTAIC PANELS, AC PHOTOVOLTAIC MODULES, SOURCE-CIRCUIT COMBINERS, AND CHARGE CONTROLLERS INTENDED FOR USE IN PHOTOVOLTAIC POWER SYSTEMS SHALL BE IDENTIFIED AND LISTED FOR THE APPLICATION. (NEC 690.4(B))

3. ALL OUTDOOR EQUIPMENT SHALL BE NEMA 3R RATED, INCLUDING ALL ROOF MOUNTED TRANSITION BOXES AND NON ROOF SWITCHES. ROOF SWITCHES TO BE NEMA 4 RATED.

4. ALL EQUIPMENT SHALL BE PROPERLY GROUNDED AND BONDED IN ACCORDANCE WITH NEC ARTICLE 250.

5.PROTECTION DEVICES FOR PV SOURCE CIRCUITS AND PV OUTPUT CIRCUITS ALSO CONNECTED TO SOURCES HAVING SIGNIFICANTLY HIGHER CURRENT AVAILABILITY (E.G., PARALLEL STRINGS OF MODULES, UTILITY POWER), SHALL BE PROTECTED AT THE SOURCE FROM OVERCURRENT. [ NEC 690.9(A)]

6.PV SYSTEM CIRCUITS INSTALLED ON OR IN BUILDINGS SHALL INCLUDE A RAPID SHUTDOWN FUNCTION THAT CONTROLS SPECIFIC CONDUCTORS. [ NEC 690.12]

7.THE UTILITY INTERACTIVE INVERTERS SHALL AUTOMATICALLY DE-ENERGIZE ITS OUTPUT TO THE CONNECTED ELECTRICAL PRODUCTION AND DISTRIBUTION NETWORK UPON LOSS OF VOLTAGE IN THE SYSTEM AND SHALL REMAIN IN THAT STATE UNTIL THE ELECTRICAL PRODUCTION AND DISTRIBUTION NETWORK VOLTAGE HAS BEEN RESTORED. [NEC 705.41]

8.ALL CONDUCTOR EXPOSED TO WEATHER SHALL BE LISTED & IDENTIFIED FOR USE IN DIRECT SUNLIGHT. [NEC 310.10(D)(1)]

9.THE MODULE CONDUCTORS MUST BE TYPE USE-2 OR LISTED FOR PHOTOVOLTAIC (PV) WIRE. NEC 690.31(C)

10.ALL CONDUCTORS SHALL BE MARKED ON EACH END FOR UNIQUE IDENTIFICATION.

11.AN INSULATED GROUNDED CONDUCTOR OF 6 AWG OR SMALLER SHALL BE IDENTIFIED AS A CONTINUOUS WHITE FINISH.[ NEC 200.6]

12.THE OUTPUT OF AN INTERCONNECTED ELECTRICAL POWER SOURCE SHALL BE PERMITTED TO BE CONNECTED TO THE LOAD SIDE. INTERCONNECTING PROVISIONS FOR OTHER POWER SOURCES SHALL COMPLY WITH 705.12(B)(1) THROUGH 705.12(B)(5)

13. EACH SOURCE INTERCONNECTION OF ONE OR MORE POWER SOURCES INSTALLED IN ONE SYSTEM SHALL BE MADE AT A DEDICATED CIRCUIT BREAKER OR FUSIBLE DISCONNECTING MEANS [ NEC 705.12(B)(1)]

14.THE SUM OF THE AMPERE RATING OF THE OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO THE BUSBAR OR CONDUCTOR SHALL NOT EXCEED 120% OF THE RATING OF BUSBAR OR CONDUCTOR.[NEC 705.12(B)(3)(2)]

15.A CONNECTION AT EITHER END, BUT NOT BOTH ENDS, OF A CENTER-FED PANEL BOARD IN DWELLINGS SHALL BE PERMITTED WHERE THE SUM OF 125 PERCENT OF THE POWER SOURCE(S) OUTPUT CIRCUIT CURRENT AND THE RATING OF THE OVERCURRENT DEVICE PROTECTING THE BUSBAR DOES NOT EXCEED 120 PERCENT OF THE CURRENT RATING OF THE BUSBAR. [NEC 705.12(B)(3)(2)]

16.EQUIPMENT CONTAINING OVERCURRENT DEVICES IN CIRCUITS SUPPLYING POWER TO A BUS BAR OR CONDUCTOR

SHALL BE MARKED TO INDICATE THE PRESENCE OF ALL SOURCES. [NEC 705.12(B)(3)]

17.CIRCUIT BREAKER, IF BACKFED, SHALL BE SUITABLE FOR SUCH OPERATION. [NEC 705.12(B)(4)]

18.TO MINIMIZE OVERHEATING OF THE BUSBAR IN PANELBOARD, THE PANELBOARD MAIN CIRCUIT BREAKER AND THE PV POWER SOURCE CIRCUIT BREAKER SHALL BE PHYSICALLY LOCATED AT THE OPPOSITE END OF THE BUSBAR.

19. ALL THE NEC REQUIRED WARNING SIGNS, MARKINGS, AND LABELS SHALL BE POSTED ON EQUIPMENT AND DISCONNECTS PRIOR TO ANY INSPECTIONS TO BE PERFORMED BY THE BUILDING DEPARTMENT INSPECTOR.

20.WHERE PV SYSTEM DC CIRCUIT'S RUN INSIDE A BUILDING, THEY SHALL BE CONTAINED IN METAL RACEWAYS TYPE MC METAL CLAD CABLE OR METAL ENCLOSURES FROM POINT OF PENETRATION OF THE SURFACE OF THE BUILDING TO THE FIRST READILY ACCESSIBLE DISCONNECTING MEANS. [ NEC 690.31(G)]

21.FLEXIBLE, FINE-STRANDED CABLES SHALL BE TERMINATED ONLY WITH TERMINALS, LUGS, DEVICES OR CONNECTOR THAT ARE IS IN ACCORDANCE WITH NEC 110.14

22.CONNECTORS SHALL BE OF LATCHING OR LOCKING TYPE. CONNECTORS THAT ARE READILY ACCESSIBLE AND OPERATING AT OVER 30V DC OR 15V AC SHALL REQUIRE TOOL TO OPEN AND MARKED "DO NOT DISCONNECT UNDER LOAD" OR "NOT FOR CURRENT INTERRUPTING". [NEC 690.33(C) & (E)(2)]

23. EQUIPMENT GROUNDING CONDUCTOR FOR PV MODULES SMALLER THAN 6AWG SHALL BE PROTECTED FROM PHYSICAL DAMAGE BY A RACEWAY OR CABLE ARMOR. NEC 690.46 & 250.120(C)]

24. AN EQUIPMENT GROUNDING CONDUCTOR SHALL NOT BE SMALLER THAN 14 AWG. [ NEC 690.45]

25. FINE STRANDED CABLES USED FOR BATTERY TERMINALS, DEVICES, AND CONNECTIONS REQUIRE LUGS AND TERMINALS IS IN ACCORDANCE WITH NEC 110.14

26.GROUNDING ELECTRODE CONDUCTOR(S) SHALL BE INSTALLED IN ONE CONTINUOUS LENGTH WITHOUT A SPLICE OR JOINT. IF NECESSARY,SPLICES OR CONNECTIONS SHALL BE MADE AS PERMITTED. (NEC 250.64 C)

27.ALL SMOKE ALARMS, CARBON MONOXIDE ALARMS AND AUDIBLE NOTIFICATION DEVICES SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 217 AND UL 2034. THEY WILL BE INSTALLED IN ACCORDANCE WITH NFPA 72 AND NFPA 720..

28.SMOKE ALARMS AND CARBON MONOXIDE ALARMS WILL BE RETROFITTED INTO THE EXISTING DWELLING. THESE SMOKE ALARMS ARE REQUIRED TO BE IN ALL BEDROOMS,OUTSIDE EACH BEDROOM, AND AT LEAST ONE ON EACH FLOOR OF THE HOUSE CARBON MONOXIDE ALARMS ARE REQUIRED TO BE RETROFITTED OUTSIDE EACH BEDROOM AND AT LEAST ONE ON EACH FLOOR OF THE HOUSE.THESE ALARMS MAY BE SOLELY BATTERY OPERATED IF THE PHOTOVOLTAIC PROJECT DOES NOT INVOLVE THE REMOVAL OF INTERIOR WALL AND

29.CEILING FINISHES INSIDE THE HOME, OTHERWISE, THE ALARMS MUST BE HARD WIRED AND INTERCONNECTED.

GENERAL CONDUCTOR INSULATION KEY  
DC CONDUCTORS

POSITIVE(UNGROUND) RED  
NEGATIVE(UNGROUND) BLACK

480/277V AC CONDUCTORS

PHASE L1 BROWN  
PHASE L2 ORANGE  
PHASE L3 YELLOW

120/208V OR 240V AC CONDUCTORS

PHASE L1 BLACK  
PHASE L2 RED (SEE NOTE)  
PHASE L3 BLUE  
NEUTRAL WHITE OR GREY  
GROUND GREEN OR BARE Cu

NOTE:THREE PHASE HIGH LEG MUST BE IN ORANGE COLOR PER NFPA 70.

GROUND FAULT PROTECTION

1. PHOTOVOLTAIC INVERTERS SHALL BE EQUIPPED WITH DC GROUND FAULT PROTECTION. INVERTERS ARE ALSO EQUIPPED WITH ANTI-ISLANDING CIRCUITRY.
- DISCONNECTING MEANS
1. MEANS SHALL BE PROVIDED TO ISOLATE EACH SOURCE CIRCUIT FROM THE SYSTEM.
2. WHERE A CIRCUIT GROUNDING CONNECTION IS NOT DESIGNED TO BE AUTOMATICALLY INTERRUPTED AS PART OF THE GROUND-FAULT PROTECTION, A SWITCH OR CIRCUIT BREAKER USED AS A DISCONNECTING MEANS SHALL NOT HAVE A POLE ON THE GROUNDED CONDUCTOR.
3. THE GROUNDED CONDUCTOR MAY HAVE A BOLTED OR TERMINAL DISCONNECTING MEANS TO ALLOW MAINTENANCE OR TROUBLESHOOTING BY QUALIFIED PERSONNEL.
4. EQUIPMENT SUCH AS PHOTOVOLTAIC SOURCE CIRCUITS, OVER CURRENT DEVICES, AND BLOCKING DIODES SHALL BE PERMITTED ON THE PHOTOVOLTAIC SIDE OF THE PHOTOVOLTAIC DISCONNECTING MEANS.
5. MEANS SHALL BE PROVIDED TO DISCONNECT INVERTERS FROM ALL UNGROUNDED CONDUCTORS OF ALL SOURCES. IF THE EQUIPMENT IS ENERGIZED FROM MORE THAN ONE SOURCE, THE DISCONNECTING MEANS SHALL BE GROUPED AND IDENTIFIED.
6. A SINGLE DISCONNECTING MEANS SHALL BE PERMITTED FOR THE COMBINED OUTPUT OF ONE OR MORE INVERTERS IN A GRID INTERACTIVE SYSTEM.
7. DISCONNECTING MEANS SHALL BE PROVIDED TO DISCONNECT A FUSE FROM ALL SOURCES OF SUPPLY IF THE FUSE IS ENERGIZED FROM BOTH DIRECTIONS AND IS ACCESSIBLE TO OTHER THAN QUALIFIED PERSONS. SUCH A FUSE IN A PHOTOVOLTAIC SOURCE CIRCUIT SHALL BE CAPABLE OF BEING DISCONNECTED INDEPENDENTLY OF FUSES IN OTHER PHOTOVOLTAIC SOURCE CIRCUITS.



**GREENTECH  
RENEWABLES**

CONTRACTOR




ADVANCED ENERGY EFFICIENCIES  
3000 WHITNEY AVE., HAMDEN, CT 6518, USA  
LICENSE NO: 200969  
PHONE NO.- (844) 476-3649

PROJECT NAME & ADDRESS

DUNBAR HILL SCHOOL  
315 LANE STREET,  
HAMDEN, CT 6514, USA

SIGNATURE WITH SEAL



NOT FOR CONSTRUCTION UNLESS SIGNED BY THE CONTRACTOR OR SEALED BY PROFESSIONAL ENGINEER

| REVISIONS | DATE       | DESCRIPTION | SITE PLAN AND WIRE DIAGRAM |  |  |
|-----------|------------|-------------|----------------------------|--|--|
|           | 04/07/2025 | REV         | A.0                        |  |  |

SHEET TITLE

**NOTES**

|             |            |
|-------------|------------|
| DRAWN DATE  | 04/07/2025 |
| DRAWN BY    | AVK        |
| REVIEWED BY | MM         |

SHEET NUMBER

**G-001**



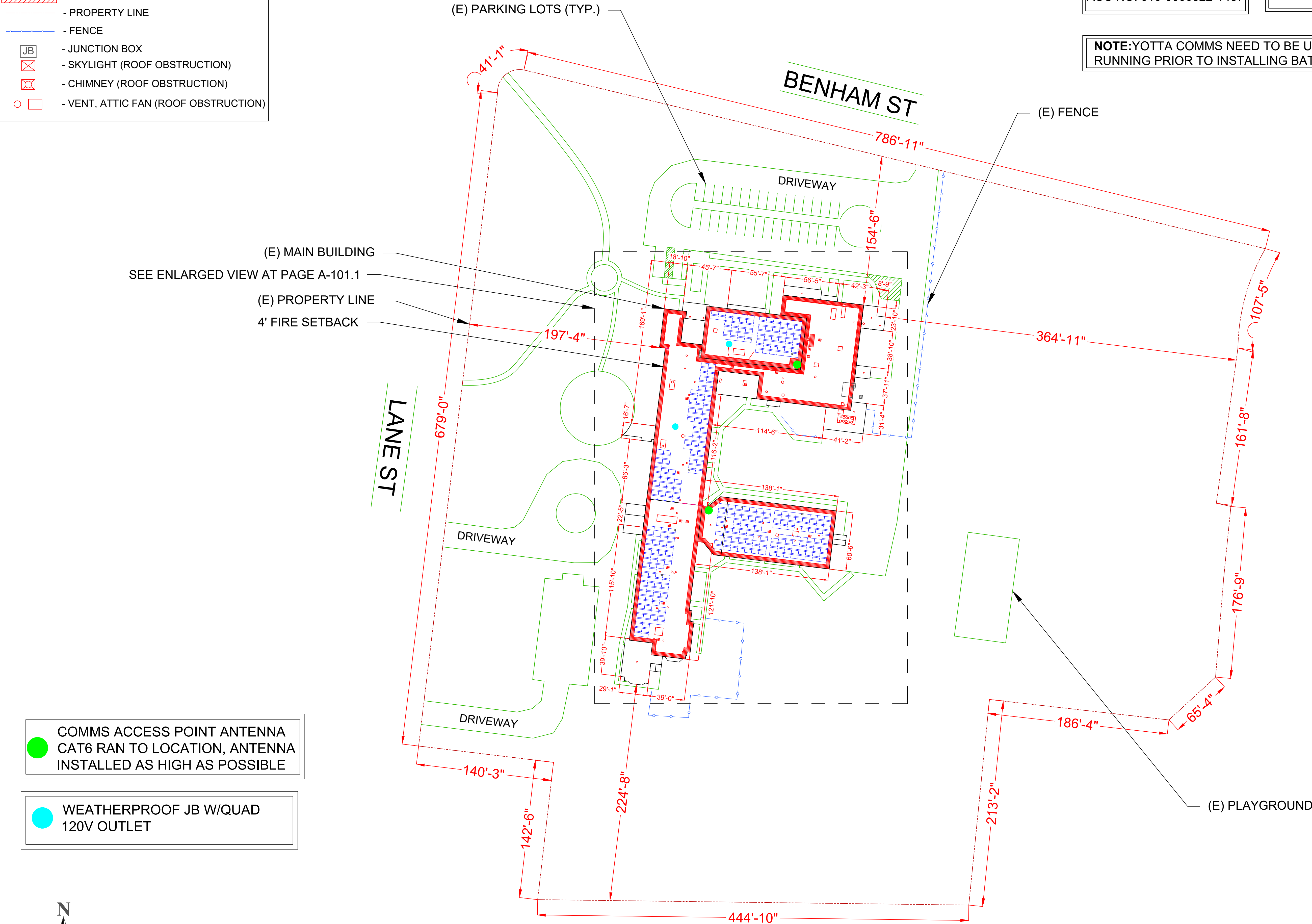
LEGEND

- FIRE SETBACK
- PROPERTY LINE
- FENCE
- JUNCTION BOX
- SKYLIGHT (ROOF OBSTRUCTION)
- CHIMNEY (ROOF OBSTRUCTION)
- VENT, ATTIC FAN (ROOF OBSTRUCTION)

ACC NO: 010-0000322-1487

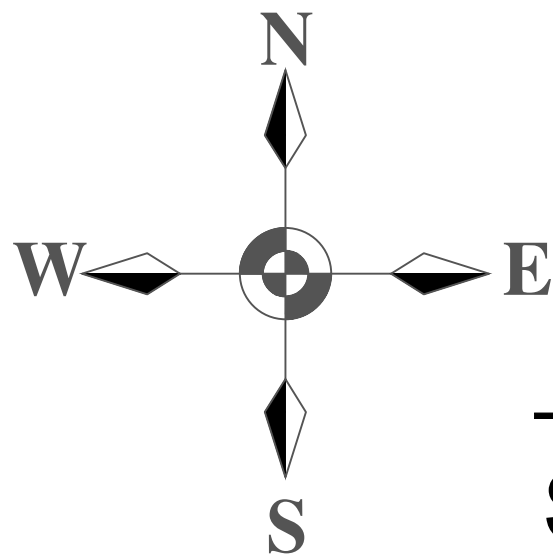
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NOTE:YOTTA COMMS NEED TO BE UP AND RUNNING PRIOR TO INSTALLING BATTERIES



COMMS ACCESS POINT ANTENNA  
CAT6 RAN TO LOCATION, ANTENNA  
INSTALLED AS HIGH AS POSSIBLE

WEATHERPROOF JB W/QUAD  
120V OUTLET



1 | SITE PLAN

SCALE:1"=50'-0"



GREENTECH  
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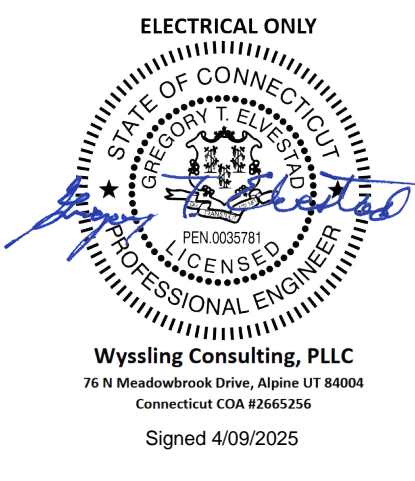
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3000 WHITNEY AVE, HAMDEN, CT  
06518, USA  
LICENSE NO: 200969  
PHONE NO.- (844) 476-3649

PROJECT NAME & ADDRESS  
  
DUNBAR HILL SCHOOL  
315 LANE STREET,  
HAMDEN, CT 06514, USA

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|     |                            |            |  |  |
| A.0 | SITE PLAN AND WIRE DIAGRAM | 04/07/2025 |  |  |
|     |                            |            |  |  |
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SHEET TITLE

SITE PLAN

|             |            |
|-------------|------------|
| DRAWN DATE  | 04/07/2025 |
| DRAWN BY    | AVK        |
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SHEET NUMBER

A-101



LEGEND

- FIRE SETBACK

JB

- JUNCTION BOX

- SKYLIGHT (ROOF OBSTRUCTION)

- CHIMNEY (ROOF OBSTRUCTION)

- VENT, ATTIC FAN (ROOF OBSTRUCTION)

ENLARGED VIEW-1

MSP

ACD

UM

(E) UTILITY METER (EXTERIOR)

(N) VISIBLE LOCKABLE LABELED AND FUSED AC DISCONNECT (UTILITY DISCONNECT) (EXTERIOR)

XFR

(E) UTILITY TRANSFORMER (ON POURED PAD)

(E) MAIN SWITCH GEAR (INSIDE ELECTRICAL ROOM)

(N) (84) LONGI SOLAR LR5-72HBD-540M (540W) MODULES WITH (N) (23) YOTTA ENERGY DPI-480V MICROINVERTERS ONE UNDER FOUR MODULES

(N) (58) LONGI SOLAR LR5-72HBD-540M (540W) MODULES WITH (N) (15) YOTTA ENERGY DPI-208V MICROINVERTERS ONE UNDER FOUR MODULES

(N) (76) LONGI SOLAR LR5-72HBD-540M (540W) MODULES WITH (N) (19) YOTTA ENERGY DPI-208V MICROINVERTERS ONE UNDER FOUR MODULES

(N) (34) LONGI SOLAR LR5-72HBD-540M (540W) MODULES WITH (N) (08) YOTTA ENERGY DPI-208V MICROINVERTERS ONE UNDER FOUR MODULES

1 | SITE PLAN (ENLARGED VIEW)

SCALE:NTS

Diagram labels and dimensions:

- ARRAY 1: 18'-10", 45'-7", 55'-7", 56'-5", 42'-3", 8'-9", 23'-10"
- ARRAY 2: 169'-1"
- ARRAY 3: 114'-6", 41'-2", 31'-4", 37'-11", 38'-10"
- ARRAY 4: 16'-7", 66'-3", 22'-5"
- ARRAY 5: 115'-10", 39'-10", 29'-1"
- ARRAY 6: 116'-2"
- ARRAY 7: 138'-1", 60'-6", 138'-1", 121'-10"
- Other dimensions: 11'-10", 45'-7", 55'-7", 56'-5", 42'-3", 8'-9", 23'-10", 38'-10", 37'-11", 31'-4", 41'-2", 66'-3", 22'-5", 115'-10", 39'-10", 29'-1", 39'-0"
- Labels: (E) ELECTRICAL ROOM, YOTTA COMMS BOX W/120V POWER, (E) UTILITY METER (EXTERIOR), (N) VISIBLE LOCKABLE LABELED AND FUSED AC DISCONNECT (UTILITY DISCONNECT) (EXTERIOR), (E) UTILITY TRANSFORMER (ON POURED PAD), (E) MAIN SWITCH GEAR (INSIDE ELECTRICAL ROOM), (N) (84) LONGI SOLAR LR5-72HBD-540M (540W) MODULES WITH (N) (23) YOTTA ENERGY DPI-480V MICROINVERTERS ONE UNDER FOUR MODULES, (N) (58) LONGI SOLAR LR5-72HBD-540M (540W) MODULES WITH (N) (15) YOTTA ENERGY DPI-208V MICROINVERTERS ONE UNDER FOUR MODULES, (N) (76) LONGI SOLAR LR5-72HBD-540M (540W) MODULES WITH (N) (19) YOTTA ENERGY DPI-208V MICROINVERTERS ONE UNDER FOUR MODULES, (N) (34) LONGI SOLAR LR5-72HBD-540M (540W) MODULES WITH (N) (08) YOTTA ENERGY DPI-208V MICROINVERTERS ONE UNDER FOUR MODULES, (N) (63) LONGI SOLAR LR5-72HBD-540M (540W) MODULES WITH (N) (16) YOTTA ENERGY DPI-208V MICROINVERTERS ONE UNDER FOUR MODULES, (N) (70) LONGI SOLAR LR5-72HBD-540M (540W) MODULES WITH (N) (18) YOTTA ENERGY DPI-208V MICROINVERTERS ONE UNDER FOUR MODULES, (E) MAIN BUILDING, 4' FIRE SETBACK, SEE ENLARGED VIEW-1, SEE ENLARGED VIEW-2

ENLARGED VIEW-2

ACD LOC ACP

(N) AC ACCUMULATION PANEL (ON ROOF)

(N) LOCUS (ON ROOF)

(N) VISIBLE LOCKABLE LABELED AND NON FUSED AC DISCONNECT (PV DISCONNECT) (ON ROOF)

GREENTECH RENEWABLES

CONTRACTOR

ADVANCED ENERGY EFFICIENCIES

ADVANCED ENERGY EFFICIENCIES  
3000 WHITNEY AVE, HAMDEN, CT 6518, USA  
LICENSE NO: 200969  
PHONE NO.- (844) 476-3649

PROJECT NAME & ADDRESS

DUNBAR HILL SCHOOL  
315 LANE STREET,  
HAMDEN, CT 6514, USA

SIGNATURE WITH SEAL

ELECTRICAL ONLY

STATE OF CONNECTICUT

REGISTRY OF ELECTRICAL ENGINEERS

PROFESSIONAL ENGINEER

Wysling Consulting, PLLC  
79 W. Main Street, Suite 200, Hamden, CT 06518  
Signed 4/09/2025

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| REVISIONS                  |  | DATE       |  |  |
|----------------------------|--|------------|--|--|
| DESCRIPTION                |  | 04/07/2025 |  |  |
| SITE PLAN AND WIRE DIAGRAM |  |            |  |  |
| REV                        |  | A.0        |  |  |

SHEET TITLE

SITE PLAN (ENLARGED VIEW)

DRAWN DATE

04/07/2025

DRAWN BY

AVK

REVIEWED BY

MM

SHEET NUMBER

A-101.1



ROOF SECTION(S)

ROOF 1  
ROOF SLOPE - 0°  
MODULE TILT - 10°  
AZIMUTH - 187°  
MODULE - 76

ROOF 2  
ROOF SLOPE - 0°  
MODULE TILT - 10°  
AZIMUTH - 187°  
MODULE - 92

ROOF 3  
ROOF SLOPE - 0°  
MODULE TILT - 10°  
AZIMUTH - 187°  
MODULE - 84

ROOF 4  
ROOF SLOPE - 0°  
MODULE TILT - 10°  
AZIMUTH - 187°  
MODULE - 133

LEGEND

BC #  
BRANCH CIRCUIT NUMBER  
BRANCH CIRCUIT

LEGEND

- FIRE SETBACK  
- JUNCTION BOX  
- SKYLIGHT (ROOF OBSTRUCTION)  
- CHIMNEY (ROOF OBSTRUCTION)  
- VENT, ATTIC FAN (ROOF OBSTRUCTION)



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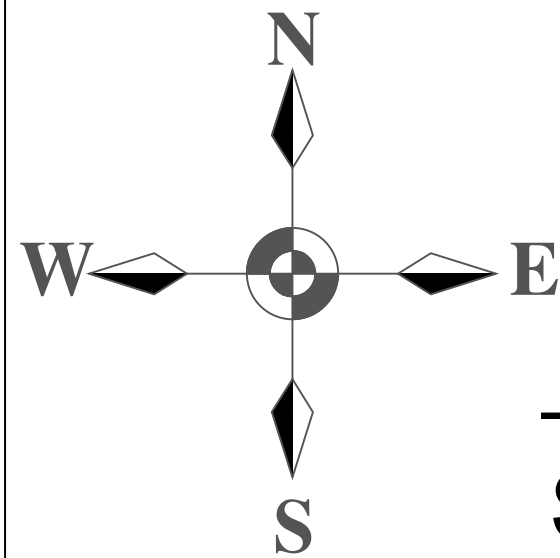
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| REV | DESCRIPTION                | DATE       | REVISIONS |
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| A.0 | SITE PLAN AND WIRE DIAGRAM | 04/07/2025 |           |

SHEET TITLE  
ELECTRICAL PLAN

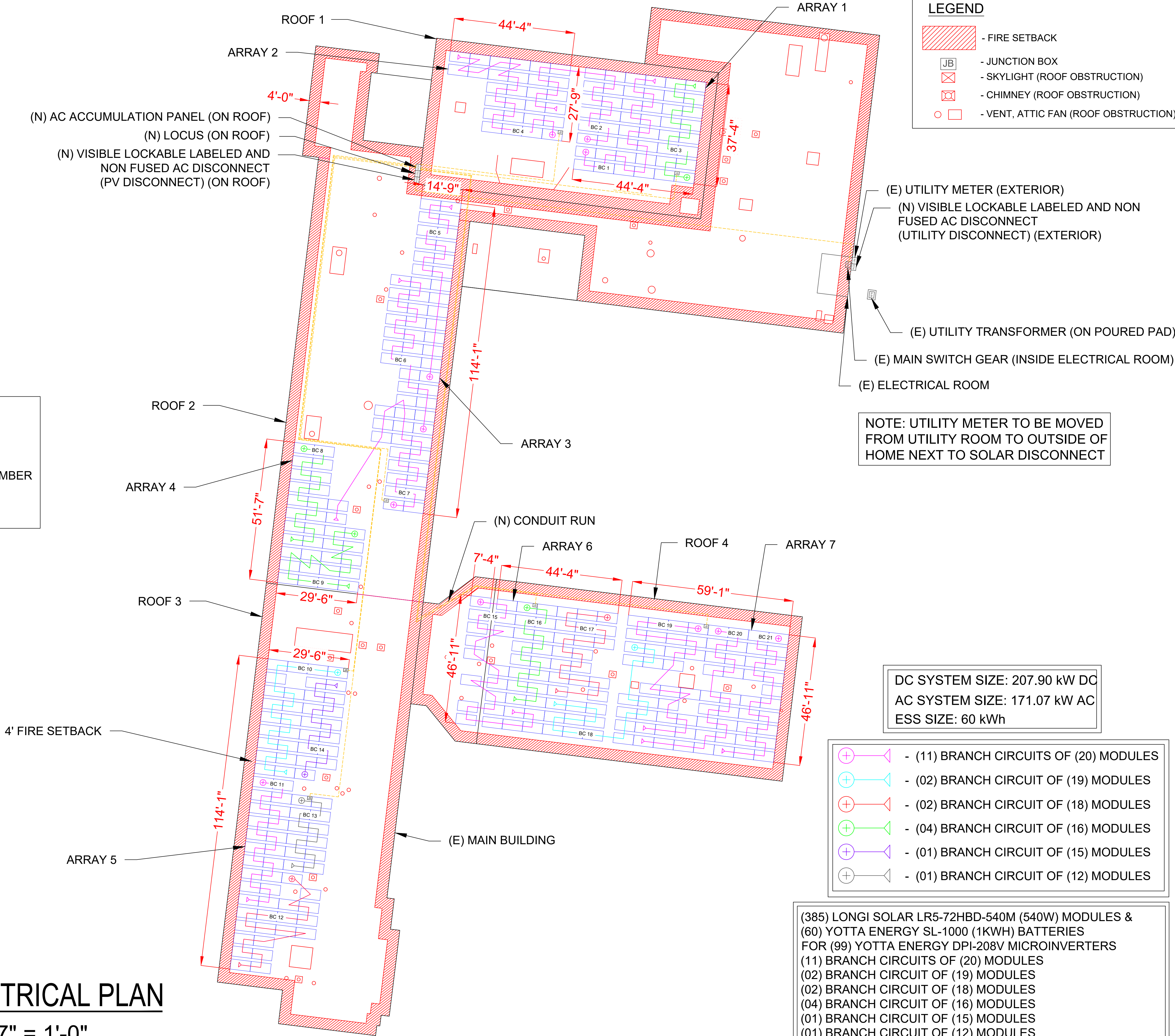
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| DRAWN DATE  | 04/07/2025 |
| DRAWN BY    | AVK        |
| REVIEWED BY | MM         |

SHEET NUMBER  
A-102



1 ELECTRICAL PLAN

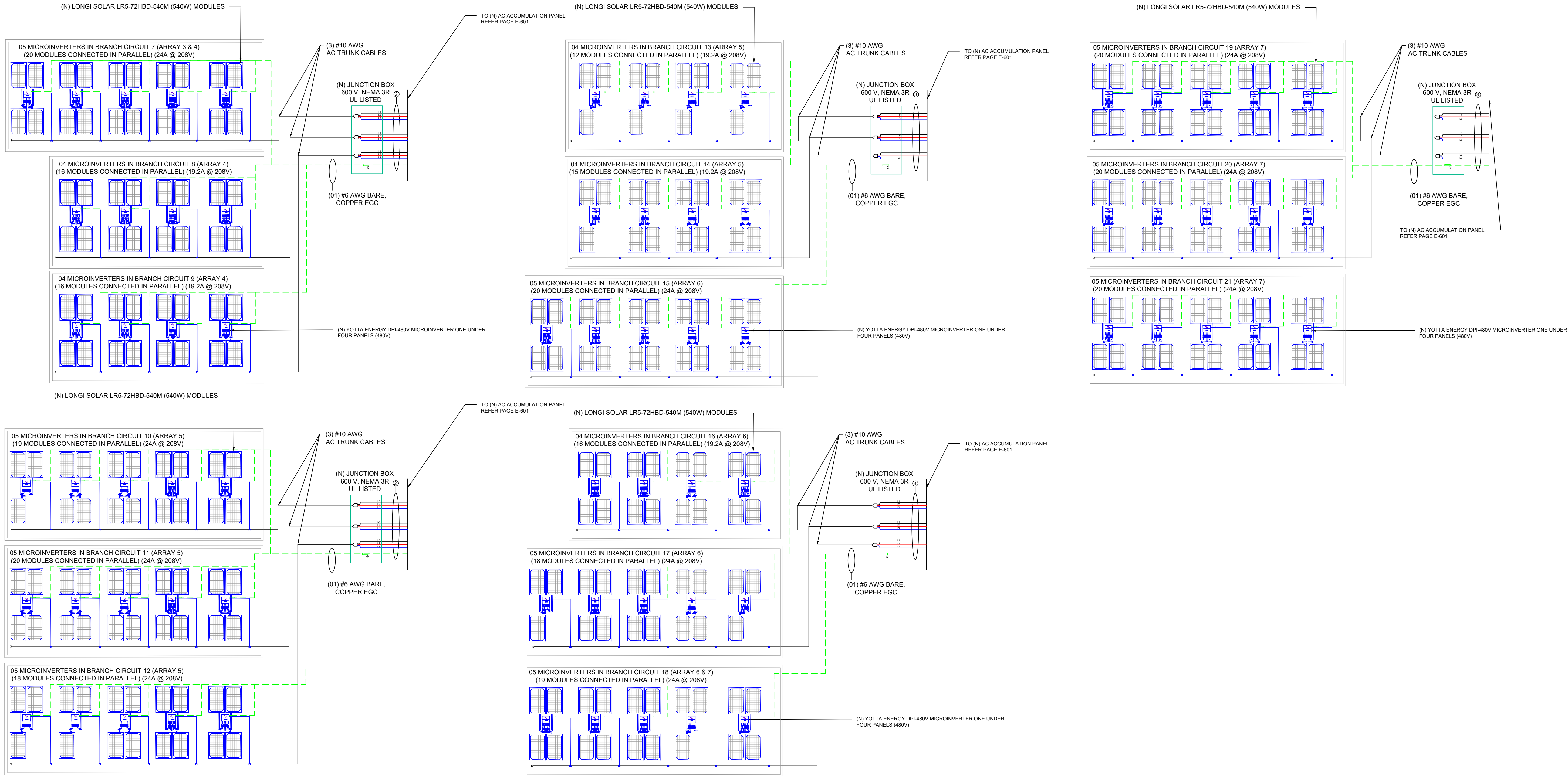
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GREENTECH  
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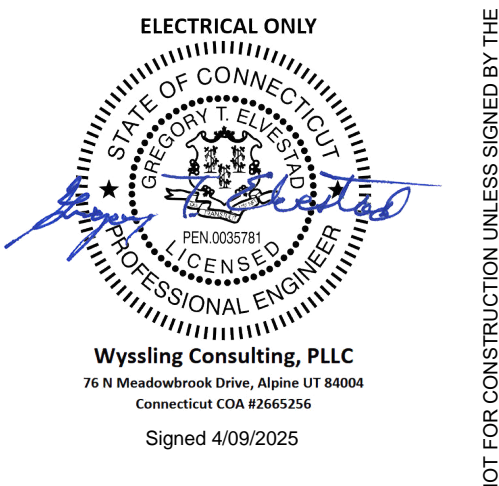


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| A.0       | SITE PLAN AND WIRE DIAGRAM | 04/07/2025 |  |
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| SHEET TITLE                |            |
|----------------------------|------------|
| ELECTRICAL LINE<br>DIAGRAM |            |
| DRAWN DATE                 | 04/07/2025 |
| DRAWN BY                   | AVK        |
| REVIEWED BY                | MM         |
| SHEET NUMBER               |            |
| E-601.1                    |            |



| SOLAR MODULE SPECIFICATIONS |   |                   |
|-----------------------------|---|-------------------|
| MANUFACTURER / MODEL #      | LONGI SOLAR LR5-72HBD-540M (540W) MODULES |                   |
|                             | STC                                       | 5% BI-FACIAL GAIN |
| VMP                         | 41.65V                                    | 40.02V            |
| IMP                         | 12.97A                                    | 13.61A            |
| VOC                         | 49.50A                                    | 48.81A            |
| ISC                         | 13.85A                                    | 14.54A            |
| TEMP. COEFF. VOC            | -0.26%/°C                                 |                   |
| PTC RATING                  | 497.4W                                    |                   |
| MODULE DIMENSION            | 88.82×44.6×1.38 (In Inch)                 |                   |

| PERCENT OF VALUES | NUMBER OF CURRENT CARRYING CONDUCTORS IN EMT |
|-------------------|--|
| 0.80              | 4-6  |
| 0.70              | 7-9  |
| 0.50              | 10-20  |

| MICROINVERTER SPECIFICATIONS |                                      |
|------------------------------|--------------------------------------|
| MANUFACTURER / MODEL #       | YOTTA ENERGY DPI-208V MICROINVERTERS |
| NOMINAL AC POWER             | 1728 W                               |
| NOMINAL OUTPUT VOLTAGE       | 208 VAC                              |
| NOMINAL OUTPUT CURRENT       | 4.8 A                                |

5% BIFACIAL GAIN CALCULATION  
IMP = 12.97A X 1.05 = 13.61A  
ISC = 13.85A X 1.05 = 14.54A

| AMBIENT TEMPERATURE SPECS   |       |
|-----------------------------|-------|
| RECORD LOW TEMP             | -19°C |
| AMBIENT TEMP (HIGH TEMP 2%) | 30°C  |
| CONDUIT HEIGHT              | 7/8"  |
| ROOF TOP TEMP               | 30°C  |
| CONDUCTOR TEMPERATURE RATE  | 90°C  |

| BATTERY SPECIFICATIONS |                                     |
|------------------------|-------------------------------------|
| MANUFACTURER / MODEL # | YOTTA ENERGY SL-1000 (1KWH) BATTERY |
| USABLE CAPACITY        | 1kWH                                |
| NOMINAL OUTPUT VOLTAGE | 38.4 VDC                            |
| NOMINAL OUTPUT CURRENT | 15A                                 |

| AC WIRE CALCULATION                              |                  |                                 |   |                                    |  |                        |   |   |  |   |  |  |                         |                           |
|--|------------------|---------------------------------|---|------------------------------------|--|------------------------|---|---|--|---|--|--|-------------------------|---------------------------|
| WIRE ID  | PARALLEL FEEDERS | EXPECTED WIRE TEMP (In Celsius) | TEMP. CORRECTION PER TABLE 310.15(B)(1) | NO. OF CURRENT CARRYING CONDUCTORS | CONDUIT FILL CORRECTION PER NEC 310.15(C)(1) | CIRCUIT CONDUCTOR SIZE | CIRCUIT CONDUCTOR AMPACITY @75°(PER FEEDER SET) | CIRCUIT CONDUCTOR AMPACITY @90°(PER FEEDER SET) | REQUIRED CIRCUIT CONDUCTOR AMPACITY PER NEC 690.8(A)(1)(e) TOTAL INVERTER OUTPUT CURRENT | MINIMUM OCPD REQUIRED PER NEC 690.9(B) TOTAL INVERTER OUTPUT CURRENT X 1.25 | DERATED AMPACITY OF CIRCUIT CONDUCTOR PER NEC TABLE 310.16 TEMP. CORRECTION PER TABLE (310.15)(1) X CONDUIT FILL CORRECTION PER NEC 310.15(C)(1) X CIRCUIT CONDUCTOR AMPACITY @90°(PER FEEDER SET) | DERATED AMPACITY OF CIRCUIT CONDUCTOR IS GREATER THAN REQUIRED | ESTIMATED DISTANCE (FT) | EXPECTED VOLTAGE DROP (%) |
| 1  | 1                | 30°                             | 1                                       | 9                                  | 0.7  | #2 AWG                 | 115A  | 130A  | 24A  | 30A   | 91A  | YES  | 280                     | 1.13                      |
| 2  | 1                | 30°                             | 1                                       | 9                                  | 0.7  | #6 AWG                 | 65A   | 75A   | 24A  | 30A   | 52.5A  | YES  | 90                      | 0.88                      |
| 3  | 1                | 30°                             | 1                                       | 9                                  | 0.7  | #4 AWG                 | 85A   | 95A   | 24A  | 30A   | 66.5A  | YES  | 150                     | 0.93                      |
| 5  | 2                | 30°                             | 1                                       | 3                                  | 1  | #500 MCM (AL)          | 310A X 2  | 350A X 2  | 475.2A   | 594A  | 700A   | YES  | 10                      | 0.08                      |
| 6  | 2                | 30°                             | 1                                       | 3                                  | 1  | #500 MCM (AL)          | 310A X 2  | 350A X 2  | 475.2A   | 594A  | 700A   | YES  | 180                     | 1.61                      |
| 7  | 2                | 30°                             | 1                                       | 3                                  | 1  | #500 MCM (AL)          | 310A X 2  | 350A X 2  | 475.2A   | 594A  | 700A   | YES  | 10                      | 0.08                      |
| TOTAL AC VOLTAGE DROP (FOR TAG 1, 5, 6, & 7) (%) |                  |                                 |   |                                    |  |                        |   |   |  |   |  |  |                         | 2.90                      |



GREENTECH RENEWABLES

CONTRACTOR



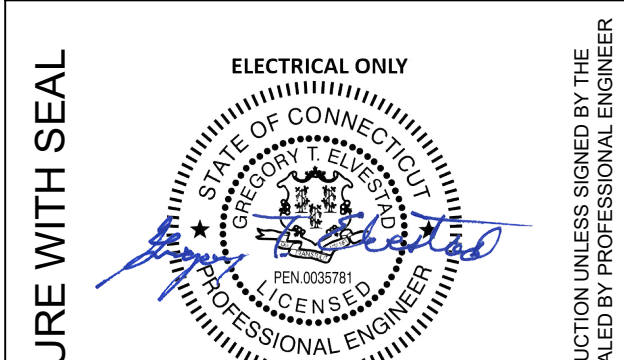
ADVANCED ENERGY EFFICIENCIES

ADVANCED ENERGY EFFICIENCIES  
3000 WHITNEY AVE., HAMDEN, CT 6518, USA  
LICENSE NO: 200969  
PHONE NO.- (844) 476-3649

PROJECT NAME & ADDRESS

DUNBAR HILL SCHOOL  
315 LANE STREET,  
HAMDEN, CT 6514, USA

SIGNATURE WITH SEAL



Wysling Consulting, PLLC  
79 N Main Street, Suite 200, Hamden, CT 06517  
Connecticut CEA #266256  
Signed 4/09/2025

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| REVISIONS | DATE        | 04/07/2025                 |  |  |  |
|-----------|-------------|----------------------------|--|--|--|
|           | DESCRIPTION | SITE PLAN AND WIRE DIAGRAM |  |  |  |
|           | REV         | A.0                        |  |  |  |

SHEET TITLE  
ELECTRICAL CALCULATIONS

DRAWN DATE

04/07/2025

DRAWN BY

AVK


REVIEWED BY

MM

SHEET NUMBER  
E-602



1

**WARNING**

ELECTRICAL SHOCK HAZARD

TERMINALS ON THE LINE AND  
LOAD SIDES MAY BE ENERGIZED  
IN THE OPEN POSITION

LABEL LOCATION: COMBINER PANEL, AC  
DISCONNECT, POINT OF INTERCONNECTION  
PER CODE: NEC 706.15(C)(4), NEC 690.13(B)

2

**WARNING**

TURN OFF PHOTOVOLTAIC AC  
DISCONNECT PRIOR TO  
WORKING INSIDE PANEL

LABEL LOCATION: COMBINER PANEL(S), MAIN SERVICE DISCONNECT  
PER CODE: NEC 110.27(C), OSHA 1910.145(f)(7)

3

**PHOTOVOLTAIC POWER SOURCE**

LABEL LOCATION: DC CONDUIT/RACEWAYS  
PER CODE: NEC 690.31(D)(2)

4

**SOLAR PV DC CIRCUIT**

LABEL LOCATION: DC CONDUIT/RACEWAYS  
PER CODE: NEC 690.31(D)(2)

5


**PHOTOVOLTAIC SYSTEM AC DISCONNECT**

RATED AC OUTPUT CURRENT: 475.2 A

NOMINAL OPERATING AC VOLTAGE: 208 V

LABEL LOCATION: AC DISCONNECT/POINT OF INTERCONNECTION  
PER CODE: NEC 690.54

6

**WARNING** MULTIPLE POWER SOURCE  
SOURCES: UTILITY GRID, PV AND ESS SYSTEM

LABEL LOCATION: MAIN SERVICE DISCONNECT, PRODUCTION/NET METER  
PER CODE: NEC 690.59, 705.12(C)

7

**PV SYSTEM**

**DISCONNECT**


LABEL LOCATION: AC DISCONNECT  
PER CODE: NEC 690.13(B)

8

**MAIN PHOTOVOLTAIC  
SYSTEM DISCONNECT**

LABEL LOCATION: MAIN SERVICE DISCONNECT, UTILITY METER  
PER CODE: NEC 690.13(B)

9

**WARNING**

THIS EQUIPMENT FED BY MULTIPLE  
SOURCES:  
TOTAL RATING OF ALL OVERCURRENT  
DEVICES EXCLUDING MAIN POWER  
SUPPLY SHALL NOT EXCEED  
AMPACITY OF BUSBAR

LABEL LOCATION: AC DISCONNECT  
PER CODE: NEC 705.12(B)(3)(3)

10

**WARNING**

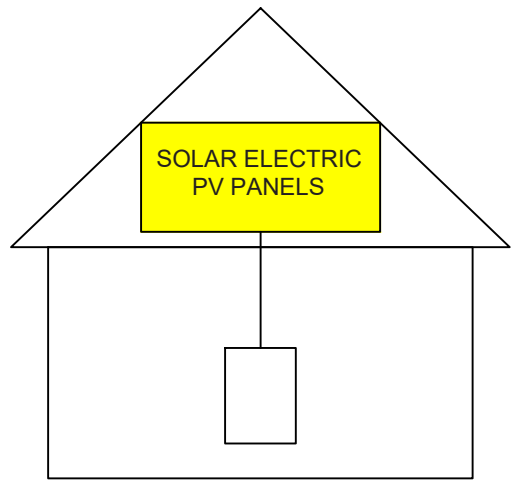
POWER SOURCE OUTPUT  
CONNECTION. DO NOT RELOCATE  
THIS OVERCURRENT DEVICE.

LABEL LOCATION: POINT OF INTERCONNECTION  
PER CODE: NEC 705.12(B)(3)(2)

11

**SOLAR PV SYSTEM EQUIPPED  
WITH RAPID SHUTDOWN**

TURN RAPID SHUTDOWN  
SWITCH TO THE  
"OFF" POSITION TO  
SHUT DOWN PV SYSTEM  
AND REDUCE  
SHOCK HAZARD  
IN THE ARRAY



LABEL LOCATION: MAIN SERVICE DISCONNECT  
PER CODE: NEC 690.56(C)

12

**RAPID SHUTDOWN SWITCH  
FOR SOLAR PV SYSTEM**

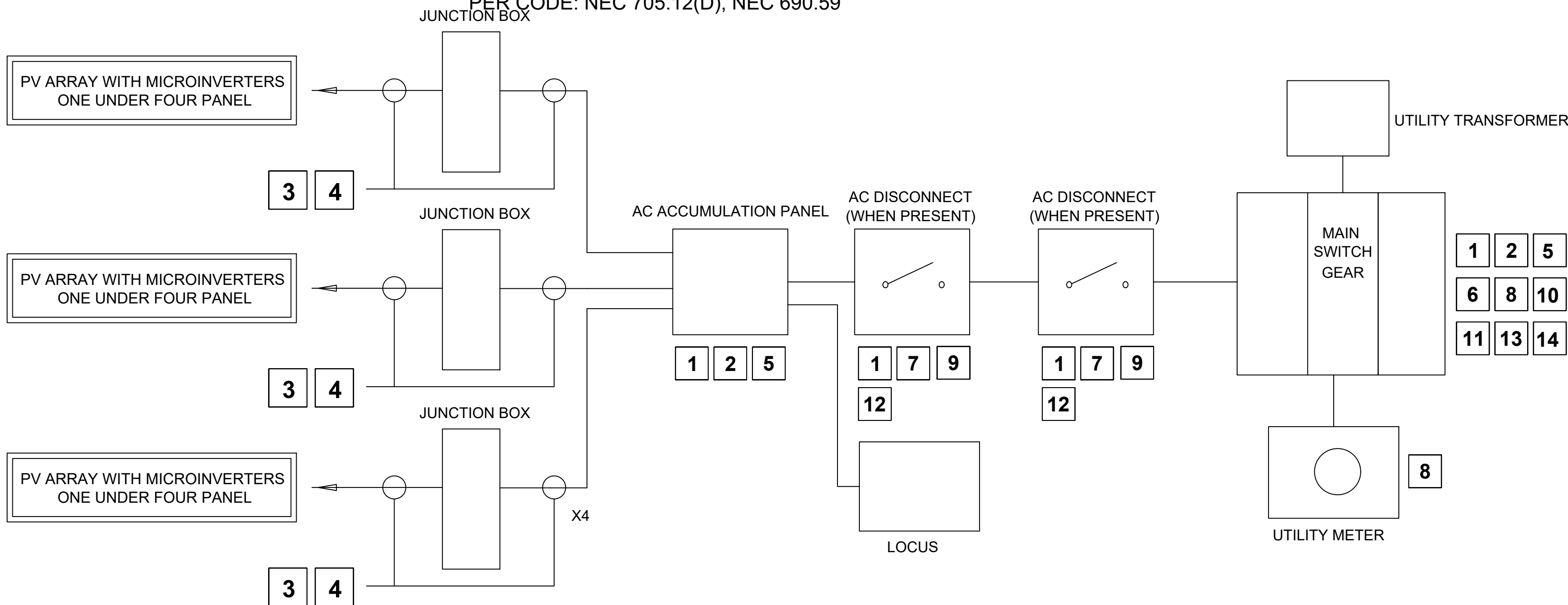
LABEL LOCATION: RSD INITIATION DEVICE, AC DISCONNECT  
PER CODE: NEC 690.56(C)(2)

13

**CAUTION**

PHOTOVOLTAIC SYSTEM CIRCUIT IS BACKFED

LABEL LOCATION: MAIN SERVICE DISCONNECT  
PER CODE: NEC 705.12(D), NEC 690.59



14

**DO NOT DISCONNECT  
UNDER LOAD**


LABEL LOCATION: MAIN SERVICE DISCONNECT  
PER CODE: NEC 690.15(B) & NEC 690.33(D)(2)

15

**MAXIMUM DC VOLTAGE  
OF PV SYSTEM**

LABEL LOCATION: DC DISCONNECT/INVERTER/PV DIST.  
EQUIPMENT PER CODE: NEC 690.53

16

**WARNING**

ELECTRICAL SHOCK HAZARD

TERMINALS ON BOTH LINE AND  
LOAD SIDES MAY BE ENERGIZED  
IN THE OPEN POSITION

DC VOLTAGE IS ALWAYS PRESENT WHEN  
SOLAR MODULES ARE EXPOSED TO SUNLIGHT

LABEL LOCATION: DC DISCONNECT  
PER CODE: NEC 690.13(B)



**GREENTECH  
RENEWABLES**

CONTRACTOR



ADVANCED ENERGY EFFICIENCIES  
3000 WHITNEY AVE, HAMDEN, CT  
06518, USA  
LICENSE NO: 200969  
PHONE NO.- (844) 476-3649

PROJECT NAME & ADDRESS  
**DUNBAR HILL SCHOOL**  
**315 LANE STREET,**  
**HAMDEN, CT 06514, USA**

SIGNATURE WITH SEAL



NOT FOR CONSTRUCTION UNLESS SIGNED BY THE  
CONTRACTOR OR SEALED BY PROFESSIONAL ENGINEER

| REVISIONS | DATE                       |  |  |  |
|-----------|----------------------------|--|--|--|
|           | DESCRIPTION                |  |  |  |
|           | SITE PLAN AND WIRE DIAGRAM |  |  |  |
| REV       |                            |  |  |  |
| A.0       |                            |  |  |  |

SHEET TITLE  
**WARNING LABELS**

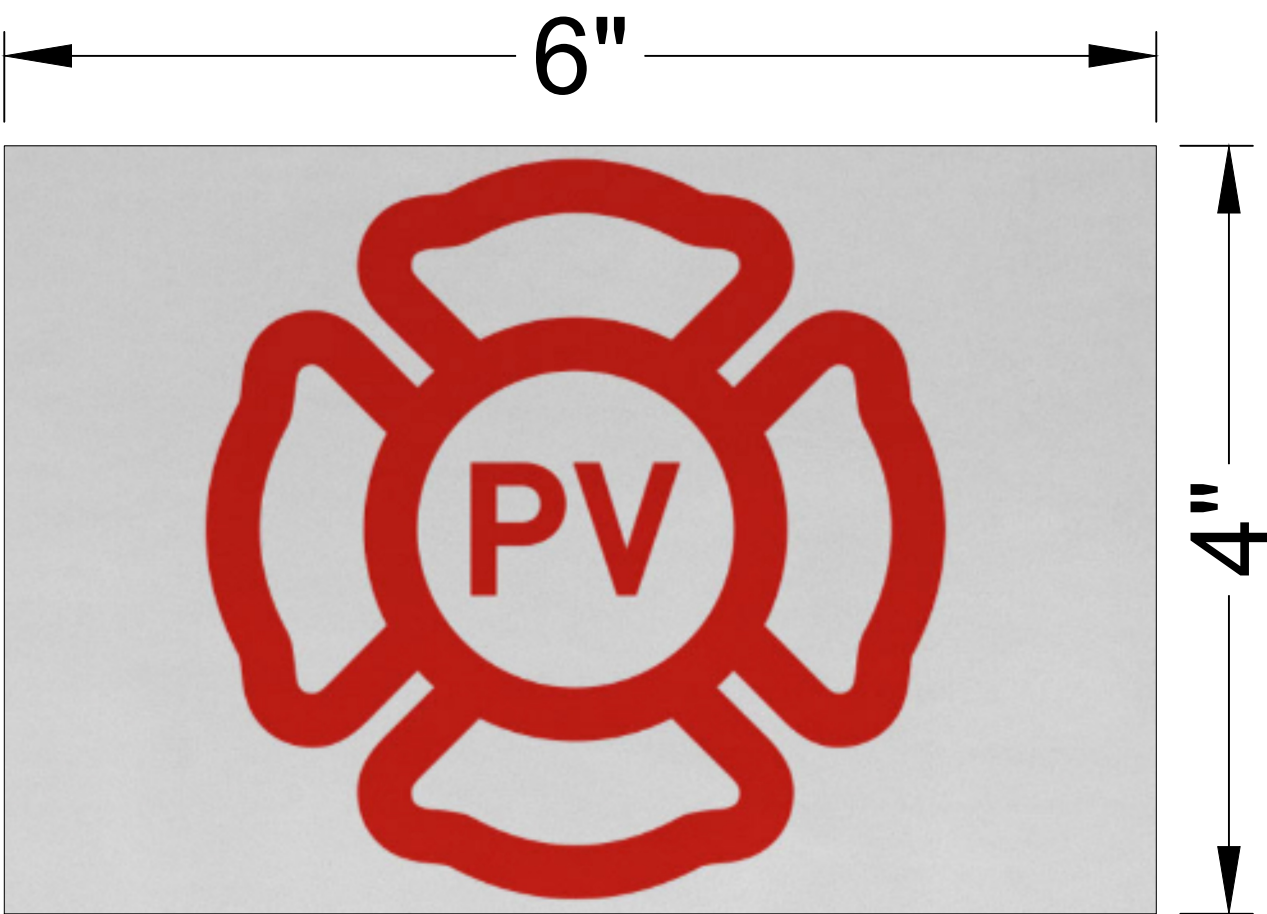
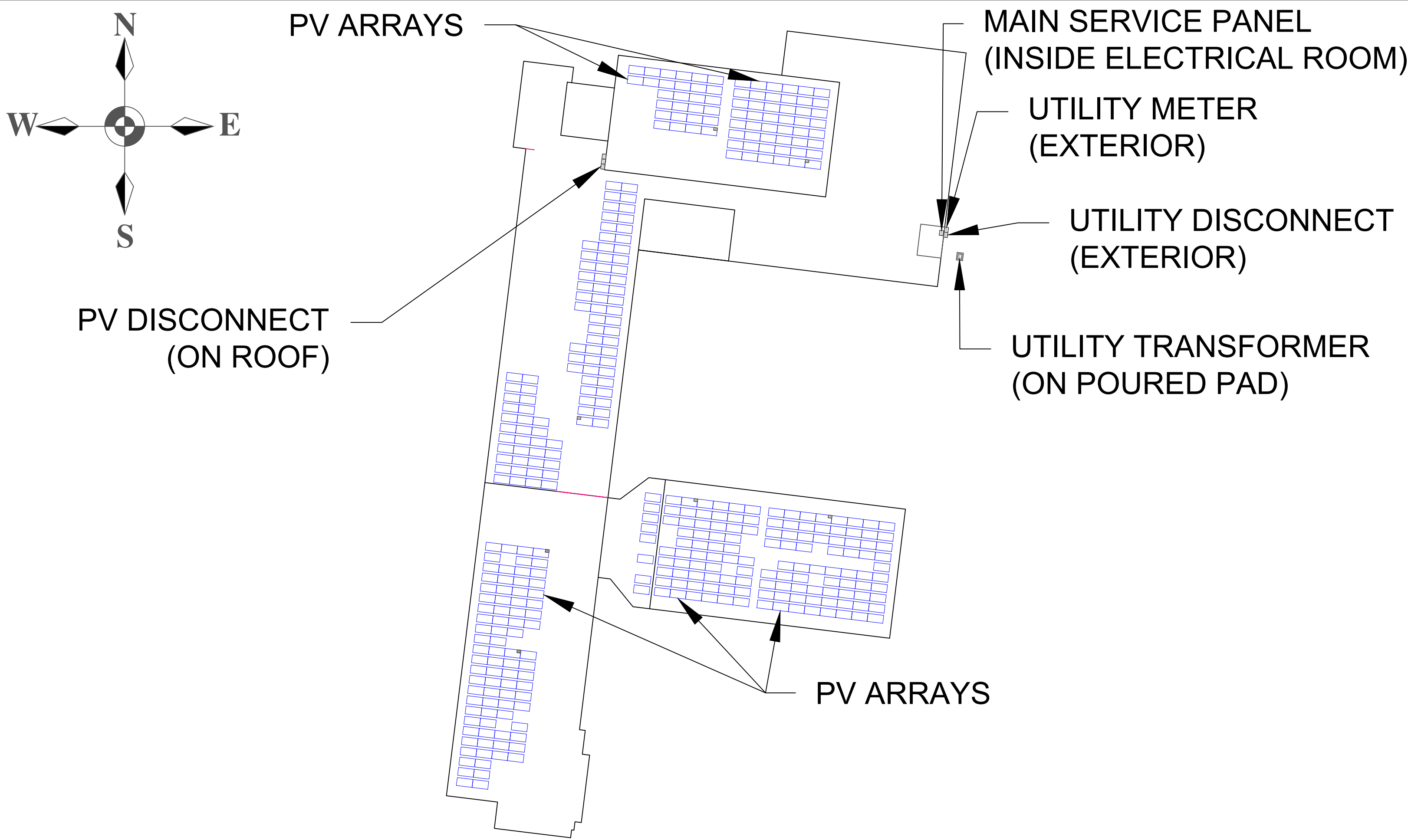
|             |            |
|-------------|------------|
| DRAWN DATE  | 04/07/2025 |
| DRAWN BY    | AVK        |
| REVIEWED BY | MM         |

SHEET NUMBER  
**E-603**



# CAUTION

POWER TO THIS BUILDING IS ALSO SUPPLIED FROM THE FOLLOWING SOURCES WITH DISCONNECTS LOCATED AS SHOWN:



GREENTECH  
RENEWABLES

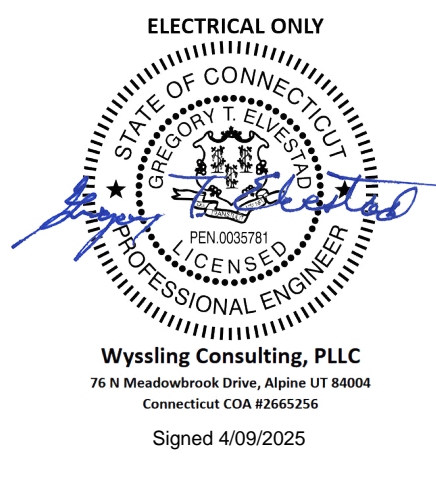
CONTRACTOR



ADVANCED ENERGY EFFICIENCIES  
3000 WHITNEY AVE., HAMDEN, CT  
06518, USA  
LICENSE NO: 200969  
PHONE NO.- (844) 476-3649

PROJECT NAME & ADDRESS  
  
DUNBAR HILL SCHOOL  
315 LANE STREET,  
HAMDEN, CT 06514, USA

SIGNATURE WITH SEAL



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| REVISIONS |                            | DATE       |  |  |
|-----------|----------------------------|------------|--|--|
| REV       | DESCRIPTION                |            |  |  |
| A.0       | SITE PLAN AND WIRE DIAGRAM | 04/07/2025 |  |  |
|           |                            |            |  |  |
|           |                            |            |  |  |

SHEET TITLE

PLACARDS

|             |            |
|-------------|------------|
| DRAWN DATE  | 04/07/2025 |
| DRAWN BY    | AVK        |
| REVIEWED BY | MM         |

SHEET NUMBER

E-604



Hi-MO 5

LR5-72HBD  
530~550M

- Based on M10 wafer, best choice for ultra-large power plants
- Advanced module technology delivers superior module efficiency
  - M10 Gallium-doped Wafer
  - Smart Soldering
  - 9-busbar Half-cut Cell
- Globally validated bifacial energy yield
- High module quality ensures long-term reliability



Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730  
ISO 9001:2015, ISO Quality Management System  
ISO 14001: 2015, ISO Environment Management System  
ISO 45001: 2018, Occupational Health and Safety  
IEC 62941: Guideline for module design qualification and type approval

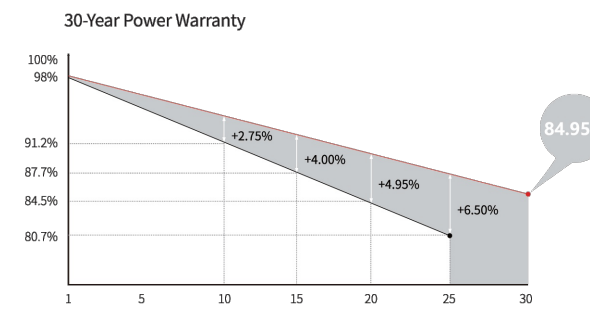
LONGi



Hi-MO 5

21.5% MAX MODULE EFFICIENCY  
0~3% POWER TOLERANCE  
<2% FIRST YEAR POWER DEGRADATION  
0.45% YEAR 2-30 POWER DEGRADATION  
HALF-CELL  
Lower operating temperature

Additional Value



Mechanical Parameters

|                  |  |
|------------------|--|
| Cell Orientation | 144 (6x124)  |
| Junction Box     | IP68, three diodes   |
| Output Cable     | 4mm <sup>2</sup> ±400, 200mm (±1400mm length can be customized)                |
| Glass            | Dual glass, 2.0+2.0mm heat strengthened glass                                  |
| Frame            | Anodized aluminum alloy frame  |
| Weight           | 22.3kg   |
| Dimension        | 2256x1133x35mm   |
| Packaging        | 31pcs per pallet, 125pcs per 20' GP, 610pcs or 510pcs (dry for USA) per 40' HC |

| Electrical Characteristics       | STC: AM1.5, 1000W/m <sup>2</sup> , 25°C | NOCT: AM1.5, 800W/m <sup>2</sup> , 20°C, 1m/s | Test uncertainty for Pmax: ±1% |
|----------------------------------|---|---|--------------------------------|
| Module Type                      | LR5-72HBD-530M                          | LR5-72HBD-530M                                | LR5-72HBD-540M                 |
| Testing Condition                | 575°C, 100CT                            | 575°C, 100CT                                  | 575°C, 100CT                   |
| Maximum Power (Pmax/W)           | 530.396.2                               | 535.399.9                                     | 540.405.6                      |
| Open Circuit Voltage (Voc/V)     | 49.20                                   | 46.26   | 49.35                          |
| Short Circuit Current (Isc/A)    | 13.71                                   | 11.07   | 13.78                          |
| Voltage at Maximum Power (Vmp/V) | 41.35                                   | 38.58   | 41.30                          |
| Current at Maximum Power (Imp/A) | 12.82                                   | 10.27   | 12.93                          |
| Module Efficiency(%)             | 20.7                                    | 20.9  | 21.1                           |

Electrical characteristics with different rear side power gain (reference to 540W front)

| Pmax/W | Voc/V | Isc/A | Vmp/V | Imp/A | Pmax/gain |
|--------|-------|-------|-------|-------|-----------|
| 567    | 49.50 | 14.54 | 41.65 | 13.61 | 5%        |
| 594    | 49.50 | 15.23 | 41.65 | 14.26 | 10%       |
| 621    | 49.60 | 15.92 | 41.75 | 14.91 | 15%       |
| 648    | 49.60 | 16.62 | 41.75 | 15.56 | 20%       |
| 675    | 49.60 | 17.31 | 41.75 | 16.21 | 25%       |

Operating Parameters

|                                    |                           |
|------------------------------------|---------------------------|
| Operational Temperature            | -40°C ~ +85°C             |
| Power Output Tolerance             | 0 ~ 3%                    |
| Voc and Isc Tolerance              | ±3%                       |
| Maximum System Voltage             | DC1500V (IEC/UL)          |
| Maximum Series Fuse Rating         | 30A                       |
| Nominal Operating Cell Temperature | 45±2°C                    |
| Protection Class                   | Class I                   |
| Bifaciality                        | 70±5%                     |
| Fire Rating                        | UL type 29<br>IEC Class C |

Mechanical Loading

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Front Side Maximum Static Loading | 5400Pa                               |
| Rear Side Maximum Static Loading  | 2400Pa                               |
| Hailstone Test                    | 25mm Hailstone at the speed of 23m/s |

Temperature Ratings (STC)

|                                 |            |
|---------------------------------|------------|
| Temperature Coefficient of Isc  | +0.050%/°C |
| Temperature Coefficient of Voc  | -0.265%/°C |
| Temperature Coefficient of Pmax | -0.340%/°C |

No.8369 Shangguan Road, W'an Economic And Technological Development Zone, W'an, Shaanxi, China.  
Web: www.longi.com

Specifications included in this database are subject to change without notice.  
LONGi reserves the right of final interpretation. (00230115V17)

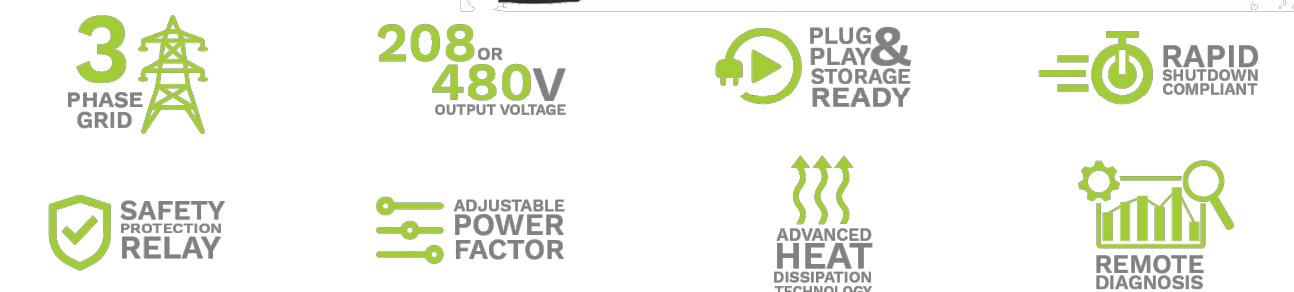
LONGi



DPI-208/480  
3-Phase Microinverters

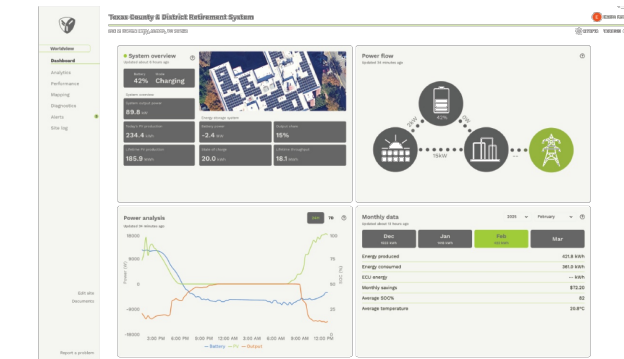
Yotta's Dual Power Inverters (DPI-208 and DPI-480) are native 3-phase microinverters that each support four (4) high capacity solar modules and deliver outstanding performance. The internals are protected with silicone to reduce stress on the electronics, increase its waterproof properties, dissipate heat, and to provide maximum system reliability. Yotta's DPI-208 and DPI-480 are powerful plug-and-play MLPE inverters that install faster than any other solution in the market and comply with rapid shutdown requirements. Their design improves thermal dissipation while maximizing power production.

- DPI (Dual Power Inverter) designed to work with PV or the YOTTA BLOCK energy storage system
- Native 3-phase power output (208V or 480V)
- Low Voltage DC input (<60V)
- 4 Solar Module Input Channels, 2 MPPT's
- Continuous AC output power 1728VA @208V and 1800VA @480V
- Engineered for high-capacity PV modules
- Maximum input current 20A
- Integrated Safety Protection Relay
- Rapid Shutdown Compliant
- Adjustable Power Factor



YOTTA VISION Monitoring

- Monitors and Analyzes each solar module and microinverter
- Allows Remote Access to the solar array
- Displays Performance Issues and alerts the user to events
- Real Time Communication and backup data
- Graphs system solar output over time to boost troubleshooting



Ver. 10.0  
February 2025

www.yottaenergy.com

YOTTA Energy Inc. 3100 Alvin Devane Blvd, Building A, Suite 200, Austin, TX 78741

ENERGY MADE SIMPLE

| MODEL  | DPI-208                                    | DPI-480   |
|--|--|---|
| <b>INPUT DATA (DC)</b>                             |  |   |
| Peak Power Tracking Voltage                        |  | 32V-45V   |
| Operating Voltage Range                            |  | 26V-60V   |
| Maximum Input Voltage                              |  | 60V   |
| Maximum Input Current                              |  | 20A x 4   |
| Maximum Input Short Circuit Current                |  | 25A per input   |
| <b>OUTPUT DATA (AC)</b>                            |  |   |
| Maximum Continuous Output Power                    | 1728VA                                     | 1800VA  |
| Nominal Output Voltage/Range <sup>(1)</sup>        | 208V/183V-229V                             | 480V/422V-528V  |
| Adjustable Output Voltage Range                    | 166V-240V                                  | 385V-552V   |
| Nominal Output Current                             | 4.8Ax3                                     | 217Ax3  |
| Maximum Output Fault Current (AC) and Duration     | L-L:85.4Apk, 13.6ms of duration, 4.967Arms | L-L:35.1Apk, 13.9ms of duration, 2.199Arms  |
| Grid Connections                                   | 208V 3-Phase (208V/120V)                   | 480V 3-Phase (480V/277V, 480 Delta)   |
| Nominal Output Frequency/Range <sup>(1)</sup>      |  | 60Hz/59.3Hz-60.5Hz  |
| Adjustable Output Frequency Range                  |  | 55Hz-65Hz   |
| Power Factor                                       |  | 0.99/0.8 leading...0.8 lagging  |
| Maximum Units per 30A branch <sup>(2)</sup>        | 5  | 11  |
| AC Bus Cable                                       |  | AWG 10  |
| <b>EFFICIENCY</b>                                  |  |   |
| CEC Efficiency                                     | 96.0%                                      | 96.5%   |
| Nominal MPPT Efficiency                            |  | 99.5%   |
| Night Power Consumption                            |  | 40mW  |
| <b>MECHANICAL DATA</b>                             |  |   |
| Operating Ambient Temperature Range <sup>(3)</sup> |  | -40°F to +149°F (-40°C to +65°C)  |
| Storage Temperature Range                          |  | -40°F to +185°F (-40°C to +85°C)  |
| Dimensions (W x H x D)                             |  | 14" x 9.5" x 1.8" (359mm X 242mm X 46mm)  |
| Weight   |  | 13 lbs (6kg)  |
| DC Connector Type                                  |  | Stäubli MC4 PV-ADBP4-S2&ADSP4-S2  |
| Cooling  |  | Natural Convection - No Fans  |
| Enclosure Environmental Rating                     |  | Type 6  |
| <b>FEATURES</b>                                    |  |   |
| Communication (Inverter To ECU) <sup>(4)</sup>     |  | Encrypted ZigBee  |
| Isolation Design                                   |  | High Frequency Transformers, Galvanically Isolated  |
| Energy Management                                  |  | Yotta EMA (Web and App)   |
| Warranty   |  | 10 Years Standard ; 25 Years Optional   |
| <b>CERTIFICATE &amp; COMPLIANCE</b>                |  |   |
| Safety, EMC & Grid Compliances                     |  | UL-1741; CA Rule 21 (UL 1741 SA and UL 1741 SB); CSA C22.2 No. 1071-18; HECO RULE 14H AND RULE 22; FCC Part 15; ANSI C63.4; ICES-003; IEEE1547; NEC2014 & NEC2017 Section 680.11 DC Arc-Fault circuit; Protection NEC2014 & NEC2017 & NEC2020 Section 680.12 Rapid Shutdown of PV systems on Building |

<sup>(1)</sup> Nominal voltage/frequency range can be extended beyond nominal if required by the utility.  
<sup>(2)</sup> Limits may vary, refer to local requirements to define the number of microinverters per branch in your area.  
<sup>(3)</sup> Inverter may enter low power mode in environments with poor ventilation or limited heat dissipation.  
<sup>(4)</sup> Recommended to make sure all inverters register to one ECU for stable communication.

www.yottaenergy.com

YOTTA ENERGY INC. 3100 Alvin Devane Blvd, Building A, Suite 200, Austin, TX 78741

ENERGY MADE SIMPLE

SL-1000  
Commercial Energy Storage System



Yotta's SolarLEAF™ (SL-1000) is a fully-integrated energy storage technology that seamlessly integrates behind photovoltaic (PV) modules on commercial rooftops which solves one of the industry's biggest challenges of "Where do you put the batteries?". Engineered with an advanced passive thermal regulation technology, SolarLEAF™ safely enables a distributed format while maximizing the life and performance of the battery under extreme thermal conditions.

The SolarLEAF's modular design is able to scale to meet the changing needs of commercial buildings while optimizing for today's needs. With its plug-and-play design and direct integration with Yotta's Dual Power Inverters, deployment of the technology is a breeze.

- Best in class fire safety
- Plug-and-play for simplified deployment
- Low Voltage DC Architecture (<60V)
- Single phase or 3-phase (208V or 480V) options
- Engineered for high-capacity PV modules
- Light-weight design for ease of handling during installation
- High efficiency DC-coupled architecture delivers more savings
- Modular design that can expand to meet the changing needs of buildings
- Solid-state design means no annual maintenance required



YottaVision Monitoring

- Monitors and Analyzes each solar module and battery
- Allows Remote Access to the solar array
- Displays Performance Issues and alerts the user to events
- Real Time Communication
- Performance Reporting to support troubleshooting

Ver. 4.0  
April 2024

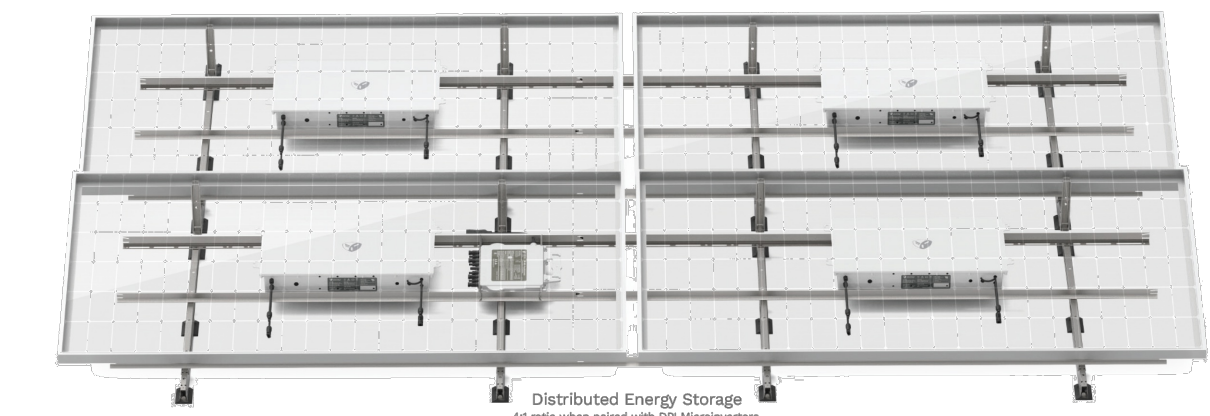
www.yottaenergy.com

YOTTA Energy Inc. 3100 Alvin Devane Blvd, Building A, Suite 200, Austin, TX 78741

ENERGY MADE SIMPLE

| MODEL                                       | SL-1000  |
|---|--|
| <b>ELECTRICAL</b>                           |  |
| Solar PV Input                              | Up to 750W   |
| Module Compatibility                        | Voc(max) 60V - Isc(max) 15A<br>Yotta DPI Microinverter           |
| Inverter Compatibility                      | 38.4V  |
| DC Voltage - Nominal                        | 26.4Ah   |
| Amp Hours                                   | 1000Wh @ (100% DoD)<br>800Wh @ (80% DoD)                         |
| Rated Capacity                              | Up to 100%   |
| Allowable Depth of Discharge (DoD) (1)      | 53V  |
| Input Voltage (1)                           | 22-45V   |
| Output Voltage Range                        | 20-50V   |
| MPPT Operating Range                        | 15A  |
| Max Continuous Current (charge & discharge) | Up to 675W   |
| Max Power Output (2) (discharge)            | Lithium Iron Phosphate   |
| Chemistry                                   | 6,000+ Cycles (@ 80% DoD)  |
| Cycle Life                                  | 56.7 lbs (25.7kg)  |
| Weight                                      | 2.7 / 3.0 psf typical  |
| Roof Loading                                | Attaches to PV or ballast racking                                |
| Mounting Options                            | -20° to 43°C max continuous<br>(-4° to 109°F)                    |
| Ambient Op. Temp.                           | -20° to 55°C (-4° to 114°F)                                      |
| Storage Temp.                               | 15.75 x 26.25 x 4.25 (in)  |
| Dimensions                                  |  |
| <b>SAFETY AND WARRANTY</b>                  |  |
| Warranty                                    | 10 Years   |
| Enclosure                                   | NEMA 4X, IP67  |
| Certifications                              | UL 1973<br>UL 9540<br>UN38.3<br>Yotta Vision<br>UL 9540, UL 1973 |
| <b>MONITORING COMPLIANCE</b>                | Meets the performance criteria for UL 9540A                      |

(1) Maximum operating ranges. Refer to warranty for recommended conditions.  
(2) From battery, but further limited by solar inverter.



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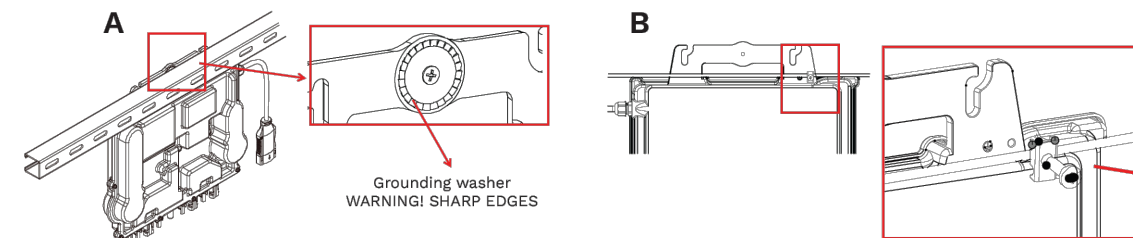
ENERGY MADE SIMPLE

4. Yotta DPI-208 and DPI-480 System Installation

4.4.4 Step 4 - Ground the system

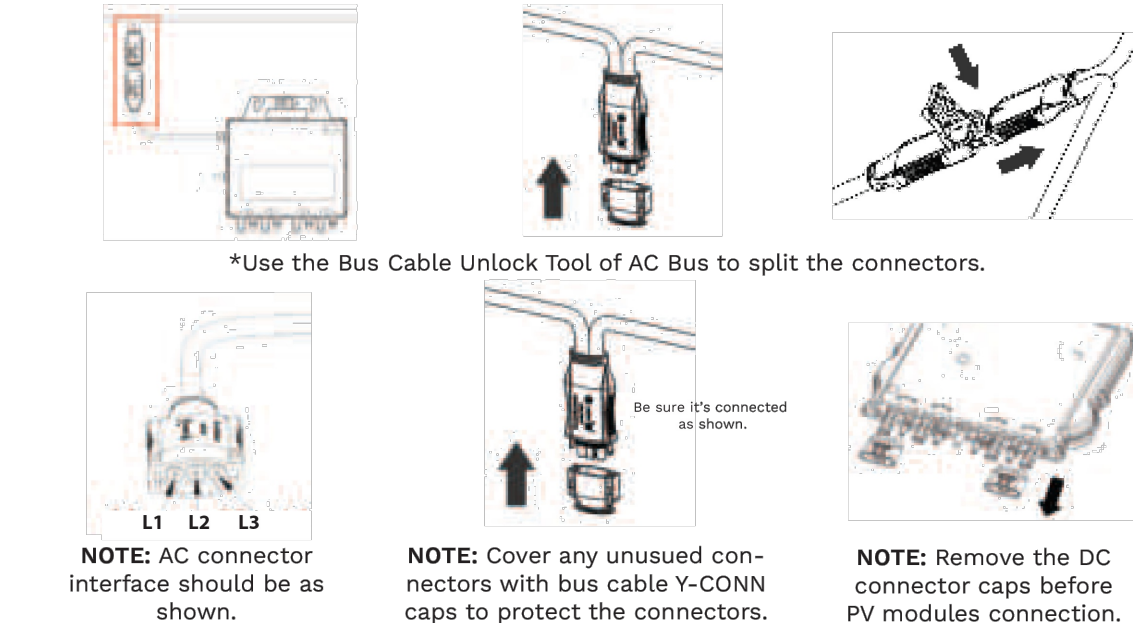
There's two options to properly ground the microinverter:

- A) Using the grounding washer.
- B) Using grounding copper wire through the grounding lug.

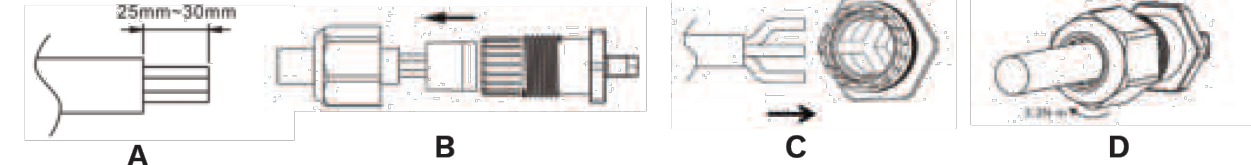


4.4.5 Step 5 - Connect the DPI-208 and DPI-480 microinverter to AC bus cable

Connect the DPI-208 and DPI-480 to the AC bus cable. Push the Microinverter AC connector to the Bus cable connector. Listen for the "Click".



4.4.6 Step 6 - Install a AC bus protective end cap at the end of AC bus



GREENTECH  
RENEWABLES

CONTRACTOR



ADVANCED ENERGY EFFICIENCIES  
3000 WHITNEY AVE, HAMDEN, CT  
6518, USA  
LICENSE NO: 200969  
PHONE NO.- (844) 476-3649

PROJECT NAME & ADDRESS

DUNBAR HILL SCHOOL  
315 LANE STREET,  
HAMDEN, CT 6514, USA

SIGNATURE WITH SEAL

| REVISIONS | DESCRIPTION                | DATE       |
|-----------|----------------------------|------------|
| REV       | A.0                        | 04/07/2025 |
|           | SITE PLAN AND WIRE DIAGRAM |            |

SHEET TITLE  
RESOURCE  
DOCUMENT

|             |            |
|-------------|------------|
| DRAWN DATE  | 04/07/2025 |
| DRAWN BY    | AVK        |
| REVIEWED BY | MM         |

SHEET NUMBER  
R-001