PHOTOVOLTAIC ELECTRIC SYSTEM COARSEGOLD ELEMENTARY SCHOOL 144.0 KW 45426 ROAD 415, COARSEGOLD CA 93614

PROJECT SCOPE

SCOPE OF WORK INCLUDES THE INSTALLATION OF PHOTOVOLTAIC CANOPIES AT AN EXISTING SCHOOL CAMPUS. THE PV CANOPIES WILL CONSIST OF DSA PRE-CHECK APPROVED PV STRUCTURES AND RACKING. PHOTOVOLTAIC ELECTRIC SYSTEM CONSISTS OF ALL ASSOCIATED ELECTRICAL EQUIPMENT, RACKING, LIGHTING, PRODUCTION MONITORING, AND ALL OTHER EQUIPMENT REQUIRED FOR THIS PV SYSTEM TO OPERATE AND INTERCONNECT TO THE UTILITY GRID. THIS SYSTEM WILL BE INTERCONNECTED TO AND WILL BE OPERATED IN PARALLEL WITH THE PG&E ELECTRIC GRID PER THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND UTILITY INTERCONNECT AGREEMENT.



PROJECT TEAM

DESIGN PROFESSIONAL:

ELECTRICAL ENGINEER ON

STRUCTURAL ENGINEER ON

116 INVERNESS DR E SUITE 109 ENGLEWOOD, CO 80112 TEL: (303) 346-8975

TEDD KELLEY

TKELLEY@WILLDAN.COM

AUTHORITY HAVING JURISDICTION (AHJ)

DIVISION OF THE STATE ARCHITECT DSA

ELECTRIC UTILITY

CODE SUMMARY & REGULATIONS

THIS PROJECT IS SUBJECT TO DRAWING REVIEW AND JOB SITE INSPECTIONS BY A REPRESENTATIVE APPROVED BY THE DIVISION OF THE STATE ARCHITECT (DSA)

1. THIS PROJECT SHALL CONFORM TO THE FOLLOWING CODE VERSIONS:

2022 CALIFORNIA BUILDING CODE (CBC) ALL PARTS OF TITLE 24, C.C.R.

2022 CALIFORNIA ELECTRIC CODE (CEC)

2022 CALIFORNIA FIRE CODE (CFC)

2022 CALIFORNIA ENERGY CODE (CEnC)

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSG)

2022 CALIFORNIA PLUMBING CODE (CPC)

2022 CALIFORNIA MECHANICAL CODE (CMC)

2. 110.2 APPROVAL: ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL SAFETY HEALTH ADMINISTRATION.

GENERAL NOTES

- ALL WORK SHALL COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
- 2. ALL CHANGES TO THE APPROVED DRAWINGS SHALL BE MADE BY ADDENDUM OR CHANGE DOCUMENTS APPROVED BY THE DIVISION OF THE STATE ARCHITECT.
- 3. A CERTIFIED DSA INSPECTOR SHALL PROVIDE ONGOING INSPECTION OF ALL WORK ON THE SITE THROUGHOUT CONSTRUCTION ACCORDING TO CBC ADMINISTRATIVE
- CLASS II CERTIFIED DSA INSPECTOR IS REQUIRED FOR THIS PROJECT
- DSA INSPECTOR MUST BE CERTIFIED IN MECHANICAL STRUCTURAL AND ELECTRICAL

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E203	Electrical Canopy Details						
E701	Single—Line Diagram						

PROFESSIONAL SEALS

PRELIMINARY NOT FOR CONSTRUCTION

PROJECT TITLE

PHOTO

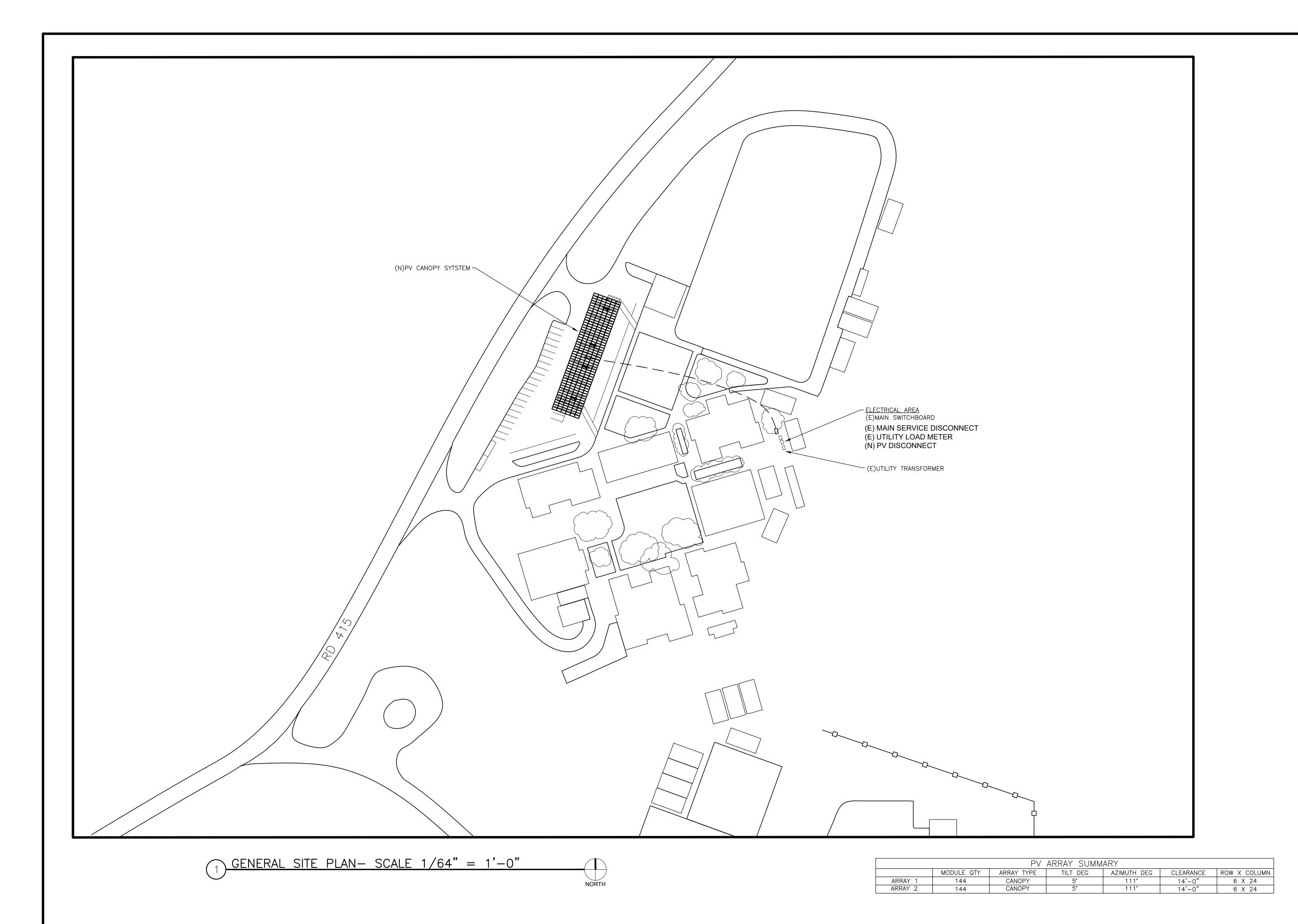
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TITLE SHEET

T100

AERIAL VIEW



WILLDAN PROFESSIONAL SEALS

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PROJECT TITLE

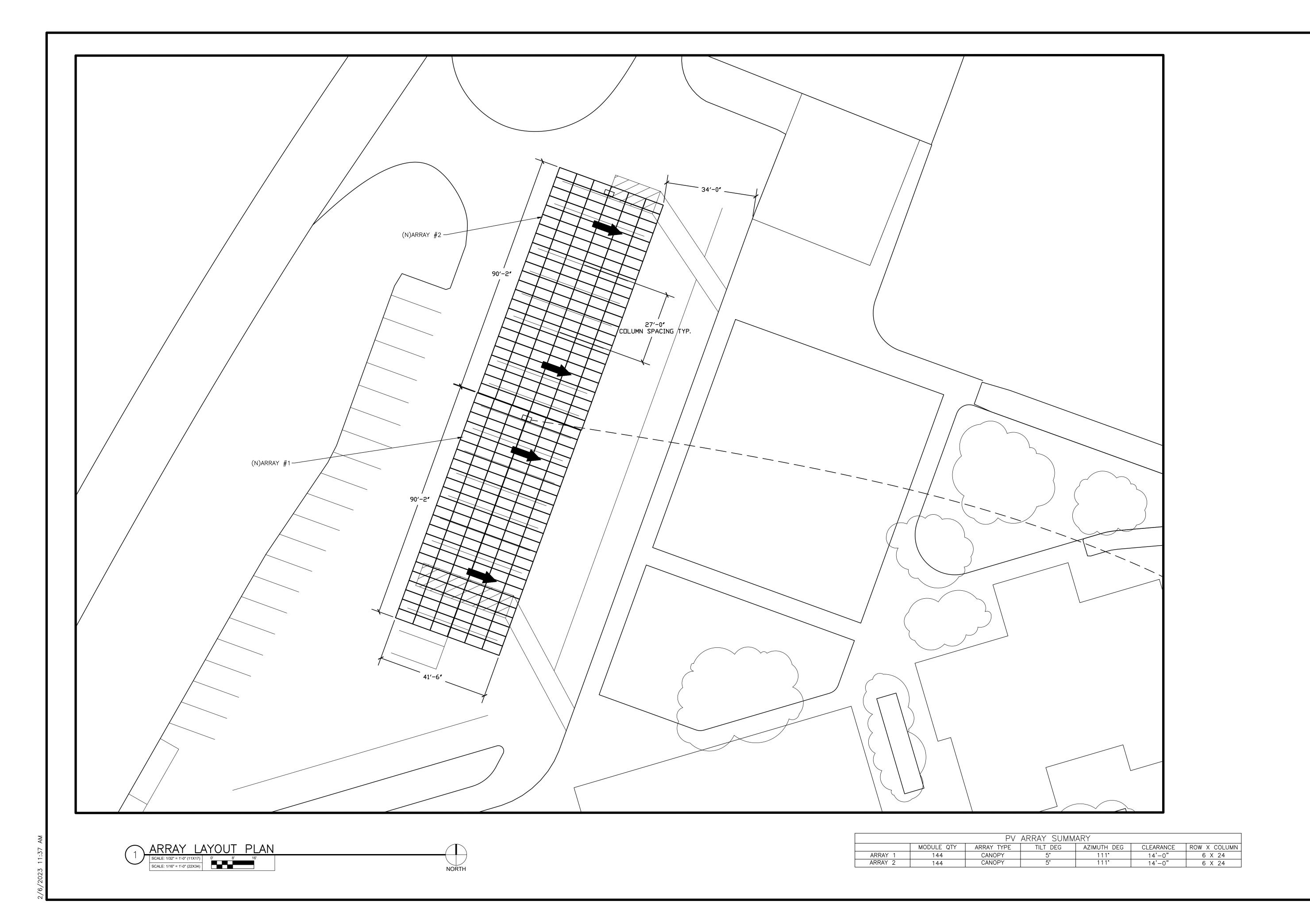
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SHEET TITLE
GENERAL SITE PLAN

A100



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CONSTRUCTION

ELECTRIC SYSTEM

- COARSEGOLD

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SHEET TITLE
ARRAY LAYOUT PLAN

A200

ABBREVIATIONS

A AMPERE
AC ALTERNATING CURRENT
ADA AMERICANS WITH DISABILITIES

ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS BLDG BUILDING CLR CLEAR CONC CONCRETE

CLR CLEAR
CONC CONCRETE
DC DIRECT CURRENT
DIA DIAMETER
DIST DISTANCE

EQ EQUAL
EGC EQUIPMENT GROUNDING
CONDUCTOR

(E) EXISTING
EA. EACH

EMT ELECTRICAL METALLIC TUBING
GALV
GALVANIZED
GEC GROUNDING ELECTRODE

CONDUCTOR GND GROUND

HDG HOT DIPPED GALVANIZED
I CURRENT

Imp CURRENT AT MAX POWER INVS INVERTERS

Isc SHORT CIRCUIT CURRENT
kVA KILOVOLT AMPERE
kW KILOWATT
kWh KILOWATT-HOUR

LBW LOAD BEARING WALL
MAX MAXIMUM
MIN MINIMUM
(N) NEW

SCH

NEC NATIONAL ELECTRIC CODE
NIC NOT IN CONTRACT
NTS NOT TO SCALE

OC ON CENTER
OCP OVERCURRENT PROTECTION
PL PROPERTY LINES
PV PHOTOVOLTAIC
PVC POLYVINYL CHLORIDE

SQ. IN. SQUARE INCHES
SS STAINLESS STEEL
SSD SEE STRUCTURAL DRAWINGS
STC STANDARD TESTING

CONDITIONS
TYP TYPICAL

SCHEDULE

UON UNLESS OTHERWISE NOTED
UPS UNINTERRUPTIBLE POWER
SUPPLY
VIF VERIFY IN FIELD

V VOLT
Vmp VOLTAGE AT MAX POWER
Voc VOLTAGE AT OPEN CIRCUIT

W WATT
3R NEMA 3R, RAINTIGHT

GENERAL NOTES

ALL WORK SHALL COMPLY WITH ALL STATE AND LOCAL CODES AND ANY OTHER REGULATING AUTHORITIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK.

DRAWINGS HAVE BEEN DETAILED IN COMPLIANCE WITH UL LISTING REQUIREMENTS, OSFM SOLAR PHOTOVOLTAIC INSTALLATION REQUIREMENTS, AND BUILDING CODES FOR THE MATERIALS SPECIFIED.

PRIOR TO COMMENCEMENT OF ANY WORK,
THE CONTRACTOR SHALL VERIFY EXISTING
CONDITIONS AND NOTIFY THE DESIGN
PROFESSIONAL IN RESPONSIBLE CHARGE
FROM WILLDAN GROUP OF ANY
DISCREPANCIES. ANY WORK PERFORMED IN
CONFLICT WITH THE CONTRACT
DOCUMENTS SHALL BE CORRECTED AT THE
SUBCONTRACTORS SOLE EXPENSE.

SUBCONTRACTOR INITIATED CHANGES
SHALL BE SUBMITTED IN WRITING TO
WILLDAN GROUP FOR APPROVAL BEFORE
MAKING ANY CHANGES. DEVIATION FROM
PLANS BEFORE WRITTEN APPROVAL FROM
EOR PLACES LIABILITY ON THE
SUBCONTRACTOR.

ALL EQUIPMENT SHALL BE MOUNTED AS SHOWN. WHERE DETAILS ARE NOT PROVIDED, CONTRACTOR SHALL USE STANDARD CONSTRUCTION PRACTICES.

ALL SURFACES SHALL BE PATCHED AND PAINTED AROUND NEW DEVICES AND EQUIPMENT TO MATCH EXISTING FINISHES.

ANY METAL SHAVINGS FROM SITE WORK SHALL BE CLEANED FROM ALL SURFACES WHERE OXIDIZED OR CONDUCTIVE METAL SHAVINGS MY CAUSE RUST, ELECTRICAL SHORT CIRCUITS, OR OTHER DAMAGE.

BEAMS OR PURLINS SHALL NOT BE DRILLED UNLESS AUTHORIZED BY EOR OR SHOWN IN THE DRAWINGS.

APPROVALS FROM BUILDING INSPECTORS
SHALL NOT CONSTITUTE AUTHORITY TO
DEVIATE FROM THE DRAWINGS

GENERAL CONTRACTOR NOTES

1. GENERAL CONTRACTOR SHALL FURNISH THE FOLLOWING INSURANCE COVERAGE: PUBLIC LIABILITY, PROPERTY DAMAGE, AUTOMOBILE LIABILITY, WORKMAN'S COMPENSATION, ETC., IN AMOUNTS AS SPECIFIED BY THE LOCAL DEPARTMENT OF BUILDINGS AND THE OWNER. GENERAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, PRIOR TO COMMENCING ANY WORK.

2. PRIOR TO START OF CONSTRUCTION, THE GENERAL CONTRACTOR SHALL VERIFY ALL JOB CONDITIONS, DIMENSIONS AND DETAILS ON SITE AND NOTIFY THE ARCHITECT AND OWNER OF ANY CONDITIONS, DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH THE SATISFACTORY COMPLETION OF THE WORK.

3. EXERCISE CARE TO AVOID DISRUPTION OF ALL OCCUPIED PREMISES AND THEIR ACCESSIBILITY, EXISTING IMPROVEMENTS AND UTILITIES.

4. GENERAL CONTRACTOR SHALL PROTECT AND SAFEGUARD THE SAFETY OF THE GENERAL PUBLIC BY ERECTING ALL REQUIRED BARRICADES/CONSTRUCTION FENCES TO PERMIT SAFE PASSAGE DURING CONSTRUCTION.

5. GENERAL CONTRACTOR SHALL
COORDINATE HIS WORK WITH THE WORK
OF OTHER CONTRACTORS AND THE
BUILDING MANAGEMENT.

6. REMOVE ALL DEBRIS AT THE END OF EACH WORK DAY.

ELECTRICAL NOTES

GENERAL ELECTRICAL NOTES

ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE
WITH THE NATIONAL ELECTRICAL CODE AND SHALL BE
UNDERWIRTERS LABORATORIES (UL) LABELED. THE
CONTRACTOR SHALL PROCURE ALL NECESSARY CERTIFICATIONS
FOR ALL WORK INSTALLED, PAY ALL FEES AND CHARGES
CONNECTED THEREWITH AND DELIVERALL CERTIFICATES AND
INSPECTION APPROVALS TO THE OWNER THROUGH THE
ENGINEER, BEFORE HIS WORK WILL BE FINALLY ACCEPTED.

ALL INVERTERS SHALL BE IEEE 929 COMPLIANT, UL1741 SA LISTED, AND CERTIFIED TO CA RULE 21 INCLUDING SA8-SA18 AND SHALL BE INSPECTED BY LOCAL UTILITY BEFORE COMMISSIONING, TESTING AND OPERATION OF THE SYSTEM.

NEW EQUIPMENT SHALL HAVE AN INTERRUPT RATING (kAIC) GREATER THAN OR EQUAL TO THE EXISTING EQUIPMENT.

DO NOT DRILL BUSBAR FOR LINE- SIDE INTERCONNECTIONS USE EXISTING LUGS. OBTAIN MANUFACTURER APPROVAL IF DRILLING IS NECESSARY

MANNER OF INSTALLATION

ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. ALL DETAILS OF THE INSTALLATION SHALL BE MECHANICALLY AND ELECTRICALLY CORRECT.

TORQUE AND MARK ALL RACKING AND MECHANICAL LUGS.

CONDUCTORS AND CONDUCTOR INSTALLATION
COMPRESSION LUGS SHALL BE USED ON ALL ALUMINUM CABLE
TERMINATIONS. MECHANICAL LUGS MAY ONLY BE USED FOR
COPPER CABLE TERMINATIONS.

IF ALUMINUM MC CABLE IS USED, THHN/THWN-2 INSULATION IS ACCEPTABLE . FOR ALUMINUM CONDUCTORS XHHW-2 SHALL BE USED.

NO-LOX TO BE USED WITH ALL ALUM INUM LUGS.

COMPRESSION PINS OR MAC ADAPTERS SHALL BE USED TO TERMINATE ALUMINUM WIRE AT LUGS

PV SYSTEM CONDUCTORS SHALL BE MARKED AND IDENTIFIED PER NEC 690.4(8).

INSTALL WIRE AND CABLE IN ACCORDANCE WITH THE NEC AND AS HEREINAFTER SPECIFIED. USE THE NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION'S "STANDARD OF INSTALLATION", THE MANUFACTURER'S WRITTEN INSTRUCTIONS, UNLESS SUPERSEDED BY THESE SPECIFICATIONS. IN ALL CASES THE INSTALLATION SHALL BE IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES.

THE USE OF WIRE LUBE IS REQUIRED FOR ALL WIRE PULLS THROUGH CONDUIT RUNS OF 20' OR LONGER, OR WITH BENDS IN 180' OR MORE. WIRE LUBE IS REQUIRED EVEN WHEN USING SELF LUBRICATING CABLES SUCH AS SOUTHWIRE 'SIMPULL'.

STRING WIRING & HOMERUNS SHALL BE SECURED TO UNDERSIDE OF THE RACKING & MODULES USING ZIP TIES OUTDOOR RATED FOR UV. HELLERMAN TYTON PA66UV OR EQUAL. TRANSITION TO RACEWAY OUTSIDE OF ARRAY.

PHASE RELATIONSHIP

CONNECT FEEDERS TO MAINTAIN PHASE RELATIONSHIP THROUGH SYSTEM. PHASE LEGS OF FEEDERS SHALL MATCH BUS OR CABLE ARRANGEMENTS IN EQUIPMENT TO WHICH THE FEEDERS ARE CONNECTED. COLOR CODING SHALL BE AS FOLLOWS:

208/120 VAC

A PHASE: BLACK, B PHASE: RED, C PHASE: BLUE

277/480 VAC

A PHASE: BROWN, B PHASE; ORANGE, C PHASE: YELLOW

1000 VDC OR 600 VDC

UNGROUNDED POSITIVE CONDUCTOR : RED UNGROUNDED NEGATIVE CONDUCTOR: BLACK

AC AND DC SYSTEMS:

GROUNDED CONDUCTOR: WHITE GROUND: GREEN
WHERE COLOR CODED CABLE IS NOT USED, TAPE CONDUCTOR
WITH OVERLAPPED COLORED TAPE FOR A MINIMUM
OF 6" IN ACCESSIBLE LOCATIONS. COLOR CODING MUST BE
USED CONSISTENTLY FOR THE ENTIRE PROJECT.

CONDUITS AND RACEWAYS

PROVIDE RACEWAYS MINIMUM SIZE 3/4".

DRAWINGS SHOW RACEWAY LOCATIONS DIAGRAMMATICALLY.

CONTRACTOR SHALL ADJUST ROUTING TO SUIT FIELD

LOCATIONS. ANY CHANGES TO PROPOSED ROUTING SHALL BE

SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL.

FURNISH AND INSTALL ALL FITTINGS AND SPECIAL DEVICES

NECESSARY FOR THE

PROPER INSTALLATION, CONNECTION AND OPERATION OF THE SYSTEM. CONDUIT ELBOWS SHALL BE OF THE SAME MAKE, QUALITY AND FINISH AS THE CONDUIT USED.

EMT CONDUIT SHALL USE COMPRESSION RAINTIGHT CONNECTORS, FACTORY STAMPED RAINTIGHT WITH COMPONENTS PROPERLY INSTALLED.

PROVIDE 2 PROTECTIVE COATS OF ASPHALTUM COMPOUND FOR ANY CLAVANIZED STEEL CONDUITS DIRECTLY BURIED IN EARTH

PROVIDE 2 PROTECTIVE COATS OF ASPHALTUM COMPOUND FOR ANY GLAVANIZED STEEL CONDUITS DIRECTLY BURIED IN EARTH.

PROVIDE EXPANSION FITTINGS WITH BONDING JUMPERS. ONE FOR EVERY 100' OF STRAIGHT METAL CONDUIT RUN.

CONDUIT EXPANSION AND DEFLECTION FITTINGS WITH BONDING JUMPERS SHALL BE USED WHENEVER CROSSING BUILDING EXPANSION AND SEISMIC SEPARATION JOINTS.

LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS. ALL EMPTY CONDUITS OVER 10' IN LENGTH SHALL BE PROVIDED WITH SYNTHETIC FIBER ROPE PULL WIRE.

ALL PENETRATIONS SHALL BE SEALED TO MAINTAIN THE EXISTING FIRE RATING.

ALL ROOFTOP CONDUITS SHALL BE MARKED PER LOCAL FIRE CODES

ELECTRICAL ENCLOSURES

ALL OUTDOOR ENCLOSURES (PANELBOARDS, DISCONNECT SWITCHES, JUNCTION BOXES, COMBINER BOXES, ETC.) SHALL BE NEMA 3R, 4, OR 4X. INDOOR ENCLOSURES SHALL BE NEMA 1.

PANELBOARD DOORS SHALL BE QUARTER TURN LATCHES OR EXTERNAL HANDLE WITH INTERNAL LATCHES, NO SETS OF EXTERNAL SCREW DOWN CLAMPS.

CONDUIT TERMINATING IN OUTDOOR ENCLOSURES SHALL UTILIZE RAINTIGHT FITTINGS FOR ALL CABLE ENTRIES.

ARC FLASH HAZARD WARNING LABELS SHALL BE PROVIDED AND MOUNTED ON EVERY COMB INER BOX, TERMINAL BOX, INVERTER, AC AND DC SWITCH, TRANSFORMER, AND SWITCHGEAR.

HAND HOLES, PULL BOXES, OR CONDU IT BODIES SHALL BE INSTALLED (WHETHER OR NOT SHOWN ON DRAWINGS) WHEN THE RACEWAY HAS MORE THAN 360' OF BENDS, OR AS NECESSARY TO NOT EXCEED

MANUFACTURER'S MAXIMUM CABLE PULLING TENSION. GROUNDING

THE CONTRACTOR SHALL FURNISH AND INSTALL GROUNDING NECESSARY IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

TESTS

MEGGER ALL: STRING WIRING, COMBINER BOX OUTPUT FEEDERS, AND AC FEEDERS. SUBMIT RESULTS TO OWNER FOR REVIEW.

IV CURVE TRACES OF STRINGS SHALL BE GENERATED USING THE SOLMETRIC PV ANALYZER (OR EQUIVALENT DEVICE) AND SUBMITTED TO OWNER FOR APPROVAL.

EV CHARGER NOTES

- 1. ALL WORK, MATERIAL, AND EQUIPMENT FOR EV CHARGING STATIONS AND THE INSTALLATION THEREOF SHALL CONFORM TO CALTRANS STANDARD PLANS AND SPECIFICATIONS, 2018 EDITION, THIS PLAN, SPECIAL PROVISIONS, AND OTHER CONTRACT DOCUMENTS.
- 2. ALL MATERIALS AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR, UNLESS OTHERWISE NOTED.
- 3. LOCATE ALL SUBSTRUCTURES PRIOR TO CONSTRUCTION. HAND DIG FOUNDATIONS UNTIL CLEAR OF OBSTRUCTIONS. CONTACT UNDERGROUND SERVICE ALERT AT 811, 48 HOURS PRIOR TO CONSTRUCTION.
- 4. ALL EQUIPMENT LOCATIONS SHALL BE APPROVED BY THE ENGINEER IN THE FIELD OR HIS/HER DESIGNATED REPRESENTATIVE IN THE FIELD PRIOR TO INSTALLATION.

WILLDAN
401 E. KATELLA AVE, SUITE 300

2401 E. KATELLA AVE, SUITE 3
ANAHEIM, CA 92806
---THE INFORMATION INDICATED ON THESE

PROFESSIONAL SEALS

PRELIMINARY NOT FOR CONSTRUCTION

PROJECT TITLE

SD - COARSEGOLD

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PHO.

60% DESIGN

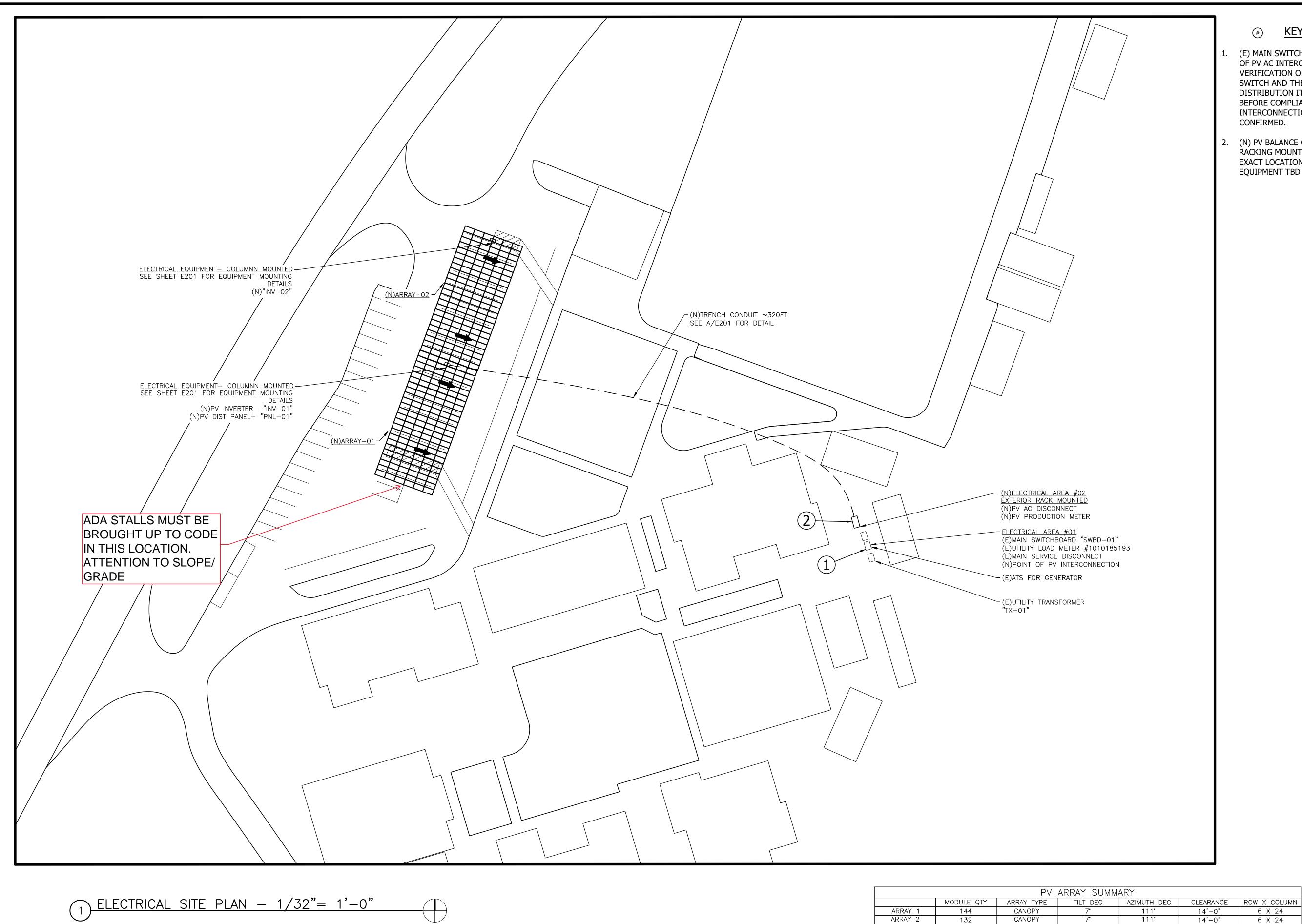
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ELECTRICAL NOTES

E001

NOTE:

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ABBREVIATIONS, ETC. ARE NECESSARILY USED ON THE DRAWINGS.



KEYED NOTES

(E) MAIN SWITCHGEAR AND (N) POINT OF PV AC INTERCONNECTION. VERIFICATION OF EXISTING ATS SWITCH AND THE BACK UP SECTION OF DISTRIBUTION IT POWERS IS REQUIRED BEFORE COMPLIANT PV INTERCONNECTION STRATEGT CAN BE CONFIRMED.

(N) PV BALANCE OF SYSTEM TO BE RACKING MOUNTED IN THIS AREA. EXACT LOCATION OF DAS MONITORING EQUIPMENT TBD UPON FINAL DESIGN.

PROFESSIONAL SEALS

PRELIMINARY NOT FOR CONSTRUCTION

PROJECT TITLE

SYSTEM SYSEGOI

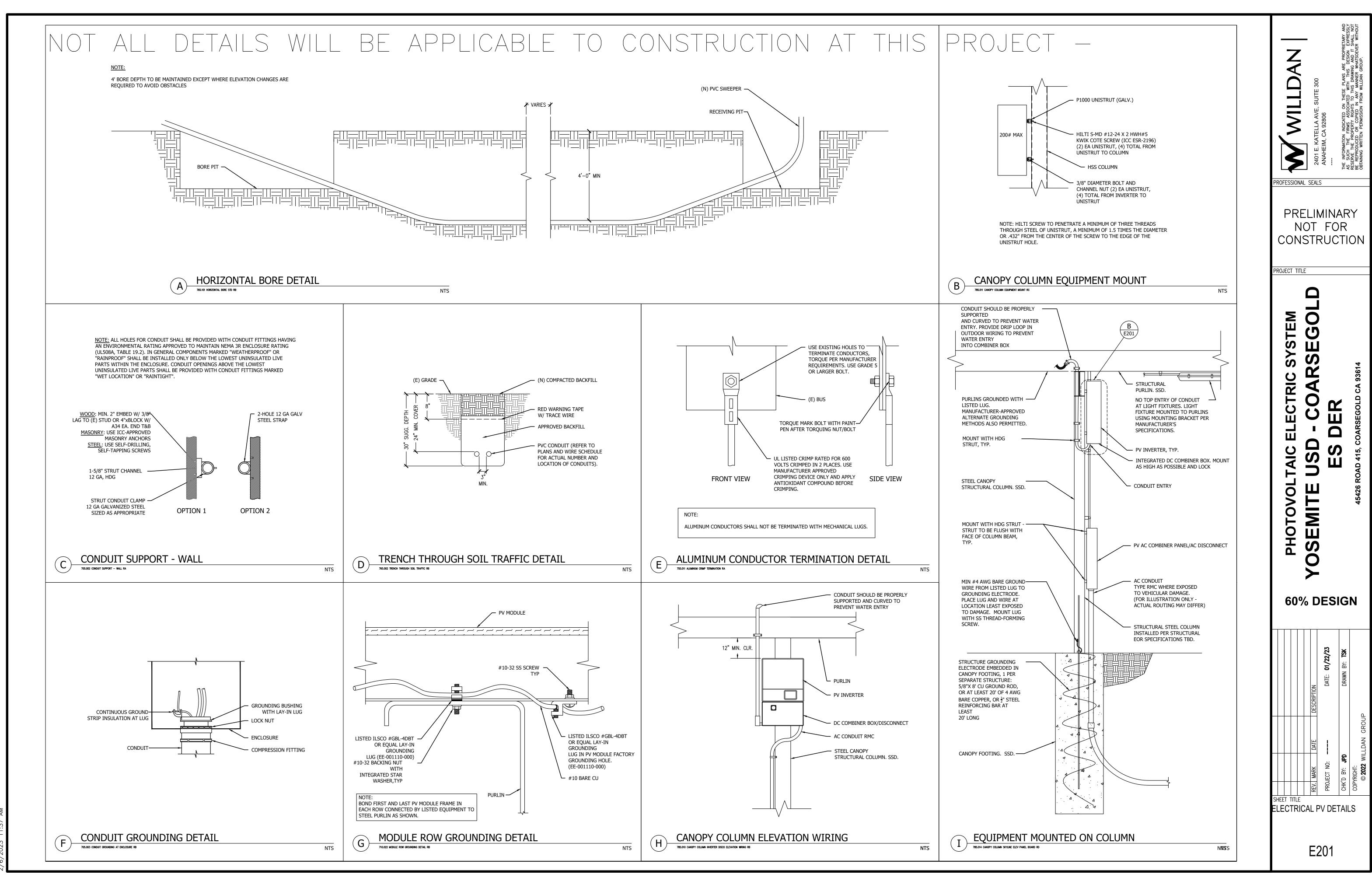
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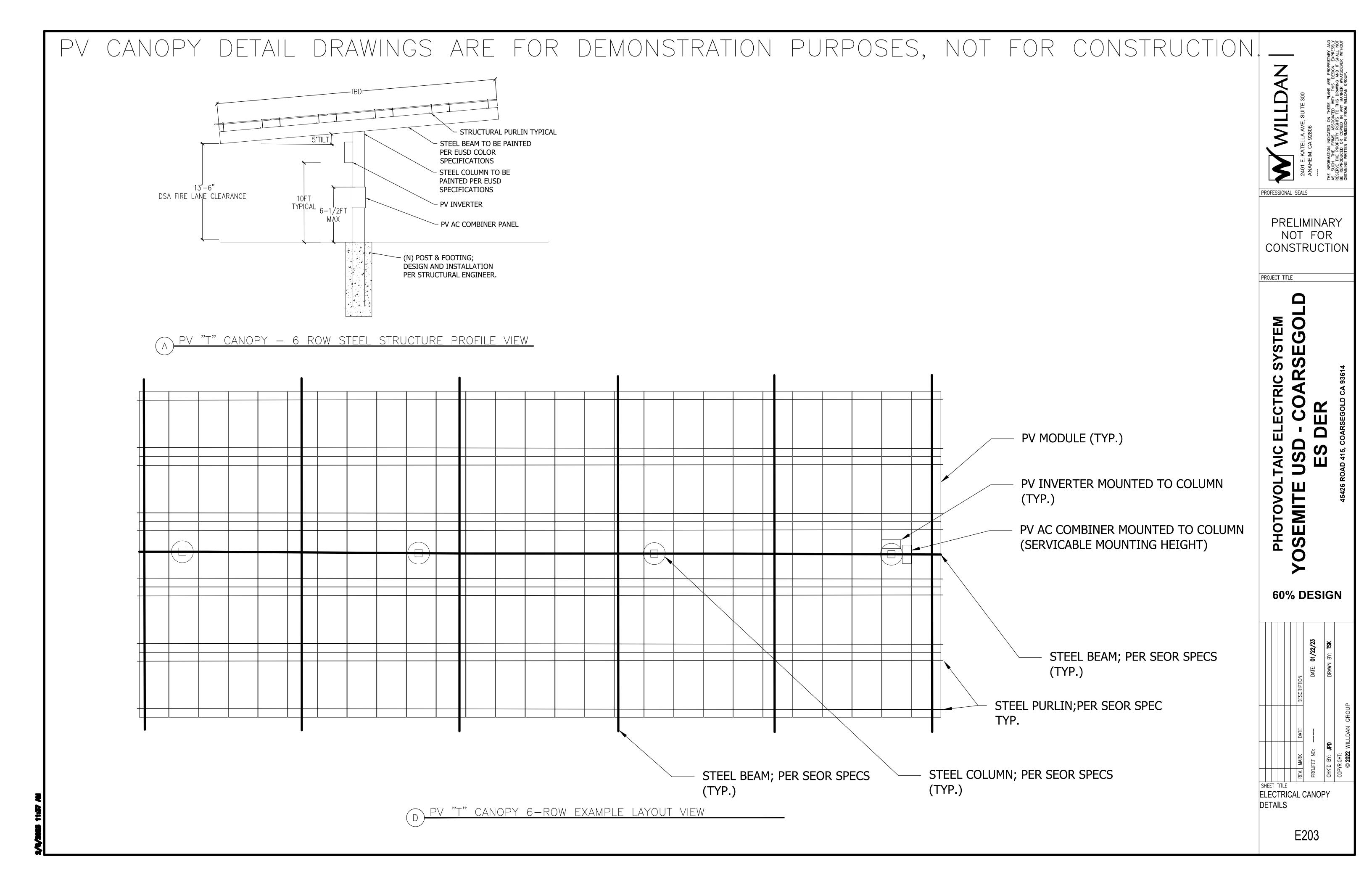
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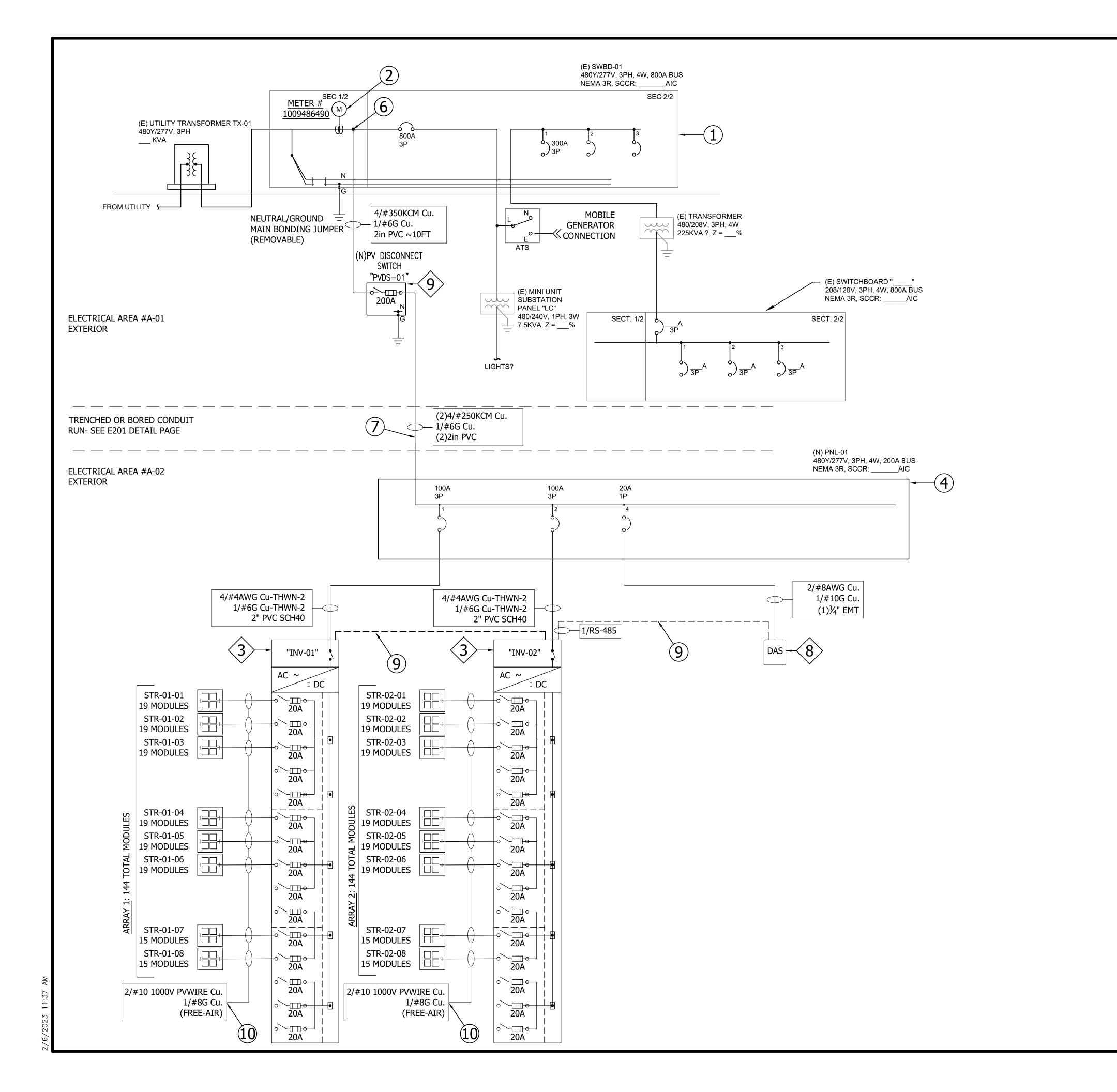
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ELECTRICAL SITE PLAN

E100







KEY PV EQUIPMENT

- 1. PV MODULE- SILFAB SIL-500 HM
- 2. (N) 50kW PV INVERTER: OR SIMILAR CHINT POWER SYSTEMS MODEL: CPS SCA50KTL-D0/US-480 50kW, 480VAC, 60.2A, 1000VDC, 3¢, 4W INTEGRATED DC AND AC DISCONNECT
- (N) 60kW PV INVERTER: OR SIMILAR CHINT POWER SYSTEMS MODEL: CPS SCA60KTL-D0/US-480 60KW, 480VAC, 72.2A, 1000VDC, 3∅, 4W INTEGRATED DC AND AC DISCONNECT
- (N) 36kW PV INVERTER: OR SIMILAR CHINT POWER SYSTEMS MODEL: CPS SCA36KTL-DO/US-480 36KW, 480VAC, 43.5A, 1000VDC, 30, 4W INTEGRATED DC AND AC DISCONNECT
- 5. NA NA

- 8. (N) DATA AQUISITION SYSTEM PV PRODUCTION MONITORING SYSTEM
- 480V, 3P, 600A, NEMA 3R. LABEL DETAIL 2/WARNING LABELS SHEET

9. (N) FUSED PV AC DISCONNECT "PVDS-01"

KEY ELECTRIC NOTES

- 1. (E) MAIN SWITCHGEAR AND (N) POINT OF PV AC INTERCONNECTION. ALL CONNECTIONS MADE INSIDE SWITCHGEAR AT OTHER THAN CIRCUIT BREAKERS OR FUSED SWITCHES LISTED FOR USE WITH THAT SWITCHGEAR SHALL BE PERFORMED FOLLOWING MANUFACTURERS INSTRUCTIONS OR BE RE-LISTED BY A NRTL. ALL TERMINATIONS OF ALUMINUM CONDUCTORS SHALL BE WITH HIGH PRESS CRIMP LUGS ONLY. WARNING LABEL DETAIL 1/WARNING LABELS SHEET
- 2. (E) UTILITY LOAD METER WILL BE UPDATED WITH NET METERING UTILITY METER UPON SYSTEM COMMISSIONING
- 3. (N) PV SYSTEM UTILITY AC DISCONNECT. WARNING LABEL DETAIL 2/WARNING LABELS SHEET
- 4. DIST PANEL USED USED FOR COMBINING INVERTER OUTPUT AND PROVIDING POWER FOR DAS. NO ADDITIONAL LOADS WARNING LABEL DETAIL 1/WARNING LABELS SHEET
- 5. (N) GRID-INTERACTIVE PV INVERTER LISTED TO UL 1741 WITH GROUND FAULT DETECTION & INTERRUPTION WITH INTEGRATED FUSED DC CIRCUIT COMBINER AND DISCONNECT, AND AC DISCONNECT WARNING LABEL DETAIL 8/WARNING LABELS SHEET
- SUPPLY-SIDE PV CONNECTION PER ART 705.12(D)(7). AND 240.21(B)(5)
- 7. TRENCHED CONDUCTORS RUN IN PARALLEL SHALL BE INSTALLED PER ART 310.4/310.10(H) AND 250.122
- 8. NOT USED
- (N) PROVIDE RS485 CABLE FOR DAISY-CHAIN CONNECTION OF ALL INVERTERS TO THE DATA AQUISITION SYSTEM (DAS).
- 10. ALL FREE-AIR DC SOURCE CIRCUIT CONDUCTORS SHALL USE COPPER 1000V PVWIRE, AND SHALL BE STRAPPED TO RACKING WITH UV LISTED PLASTIC FASTENERS OR ZIP-TIES.

PROFESSIONAL SEALS

PRELIMINARY NOT FOR CONSTRUCTION

PROJECT TITLE

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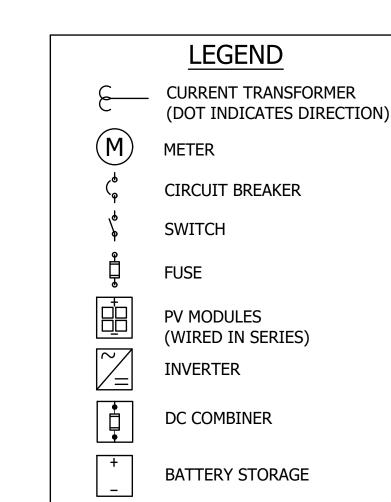
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GENERATOR

TRANSFORMER

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SINGLE-LINE DIAGRAM

E701