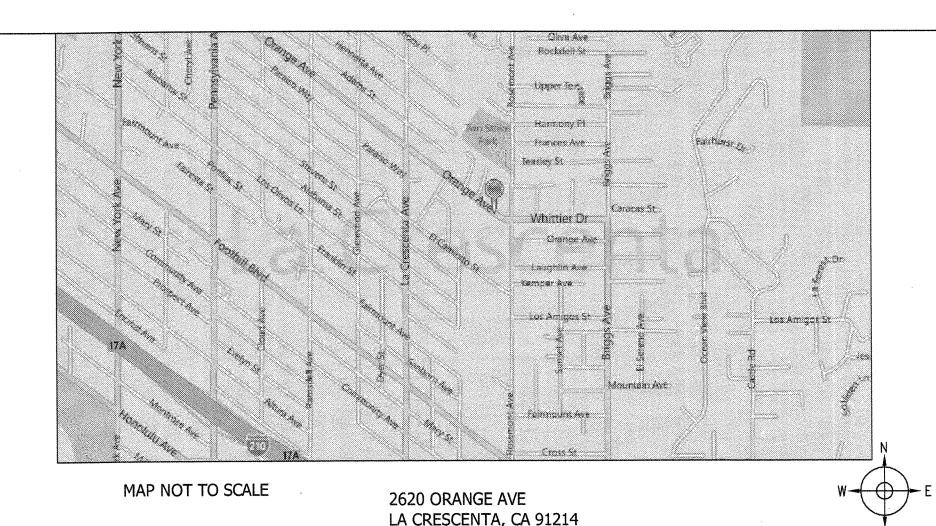
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SCOPE OF WORK

WORK CONSISTS OF INSTALLING PHOTOVOLTAIC (PV) CANOPIES OVER EXISTING PLAYGROUND. SOLAR POWER SYSTEM CONSISTS OF PV CANOPIES, ELECTRICAL EQUIPMENT CONCRETE PAD, LIGHTING, PV MONITORING AND METERING COMMUNICATIONS AND POWER INTERCONNECT TO THE UTILITY GRID. THE PV CONTRACTOR SHALL COORDINATE WITH THE OTHER TRADES FOR UNDERGROUND UTILITIES ASSOCIATED WITH THE PV SOLAR SYSTEM. PV ARPAYS USE PC+02-112-000.

SPECIAL NOTES

PROJECT TEAM

ALTERNATING CURRENT BUILDING CONCRETE COMBINER BOX EQUIPMENT GROUNDING CONDUCTOR ELECTRICAL METALLIC TUBING SOLAR GUARD METER GALVANIZED GROUNDING ELECTRODE CONDUCTOR GND HDG GROUND HOT DIPPED GALVANIZED CURRENT CURRENT AT MAX POWER SHORT CIRCUIT CURRENT KILOVOLT AMPERE KILOWATT LOAD BEARING WALL MINIMUM NATIONAL ELECTRIC CODE NOT IN CONTRACT NOT TO SCALE

ON CENTER

PANEL BOARD

OVERCURRENT PROTECTION

PL PROPERTY LINES
PV PHOTOVOLTAIC
PVC POLYVINYL CHLORIDE
S SUBPANEL
SCH SCHEDULE
SS STAINLESS STEEL
SSD SEE STRUCTURAL DRAWINGS
STC STANDARD TESTING CONDITIONS
SWH SOLAR WATER HEATER
TYP TYPICAL
UON UNLESS OTHERWISE NOTED
UPS UNINTERRUPTIBLE POWER SUPPLY
V VOLT
VMP VOLTAGE AT MAX POWER
VOC VOLTAGE AT OPEN CIRCUIT
W WATT
3R NEMA 3R, RAINTIGHT

SHEET INDEX

ABBREVIATIONS

OWNER:

DAVID STOKES
QUATRO DESIGN GROUP
923 E 3RD ST, SUITE 115
LOS ANGELES, CA 90013
TEL:(213) 625-1995
FAX:(213) 625-1997
EMAIL: dstokes@qdg-architects.com

DESIGN PROFESSIONAL

IN RESPONSIBLE CHARGE:

GLENDALE UNIFIED SCHOOL DISTRICT 2223 N. JACKSON ST. GLENDALE, CA 91206 TEL: (818) 241-3111

CIVIL/STRUCTURAL:

PAUL SCOTT, S.E.
CARUSO, TURLEY, SCOTT, INC.
1215 W. RIO SALADO PKWY
TEMPE, AZ 85281
TEL: (480) 774-1700

ELECTRICAL ENGINEER:

CARL BURATTI, P.E.
BURATTI & ASSOCIATES, INC.
6345 BALBOA BLVD, Ste 259
ENCINO, CA 91316
TEL: (818) 345-7130

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T 0.0 TITLE SHEET
A 1 SITE PLAN
A 2 FIRE ACCESS PLAN
A 3 STRUCTURAL DETAILS
A 4 STRUCTURAL DETAILS

THE BELOW LISTED DRAWINGS HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS WHO ARE LICENSED TO PREPARE SUCH DRAWINGS IN THIS STATE. THESE DRAWINGS HAVE BEEN REVIEWED FOR DESIGN INTENT AND APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS. THESE DRAWINGS ALSO COORDINATE WITH MY PLANS AND ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT. THE DRAWINGS THAT HAVE BEEN PREPARE BY OTHERS ARE AS FOLLOWS:

E 1 ELECTRICAL NOTES
E 2 ELECTRICAL SITE PLAN
E 3 ELECTRICAL SECTION VIEWS
E 4 LINE DRAWING

E 4 LINE DRAWING
E 5 STRING DIAGRAMS
E 6 MONITORING
E 7 ELECTRICAL DETAILS

E 8 SIGNAGE
E 9 LIGHTING DESIGNS
E 10 TITLE 24 CONFORMANCE DOCUMENTS

PRECHECK A# 02-112000

FP 1 FULL PORTRAIT GENERAL STRUCTURAL NOTES
FP 2 FULL PORTRAIT BOX BEAM
FP 3 FULL PORTRAIT BOX BEAM DETAILS
FP 4 FULL PORTRAIT BACK TO BACK

CODES

GOVERNING CODES:

CALIFORNIA CODE OF REGULATIONS:

2010 CALIFORNIA ADMINISTRATIVE CODE (CAC).....(PART 1, TITLE 24, CCR)

2010 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1, AND 2 (PART 2, TITLE 24, CCR)

(2009 EDITION INTERNATIONAL BUILDING CODE WITH 2010 CALIFORNIA AMENDMENTS

2010 CALIFORNIA ELECTRICAL CODE......(PART 3, TITLE 24, CCR)

(2008 EDITION NATIONAL ELECTRICAL CODE WITH 2010 CALIFORNIA AMENDMENTS)

2010 CALIFORNIA MECHANICAL CODE (CMC) (PART 4 TITLE 24 CCR)

(2009 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2010 CALIFORNIA AMENDMENTS)

2010 CALIFORNIA PLUMBING CODE (CPC).....(PART 5, TITLE 24, CCR)

(2009 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2010 CALIFORNIA AMENDMENTS)

2010 CALIFORNIA PLUMBING CODE (CPC).....(PART 6, TITLE 24, CCR)

(2009 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2010 CALIFORNIA AMENDMENTS)

(2009 EDITION TARMO ONLI ONM FLOMBING CODE WITH 2010 CALL ONLY AMERICAN

2010 CALIFORNIA ENERGY CODE......(PART 6, TITLE 24, CCR)

(2008 EDITION CALIFORNIA ENERGY COMMISSION BUILDING ENERGY EFFICIENCY STANDARDS)

2010 CALIFORNIA FIRE CODE (CFC).....(PART 9, TITLE 24, CCR)

(2009 EDITION OF INTERNATIONAL FIRE CODE WITH 2010 CALIFORNIA AMENDMENTS)

2010 CALIFORNIA GREEN CODE......(PART 11, TITLE 24, CCR)

2010 CALIFORNIA REFERENCED STANDARDS CODE.....(PART 12, TITLE 24, CCR)

NFPA 13 - 2010

NFPA 72 - 2010

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:

2010 CBC, CHAPTER 35

2010 CFC, CHAPTER 45

INSPECTIONS:

ALL INDEPENDENT TESTING AND INSPECTIONS SHALL BE PAID FOR AND SCHEDULED BY THE OWNER

A PROJECT INSPECTOR EMPLOYED BY THE OWNER (DISTRICT) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTIONS OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4—342, PART 1, TITLE 24, 2010 CALIFORNIA BUILDING CODE. A MINIMUM OF A CLASS II (TWO) INSPECTOR SHALL BE USED.

ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

 CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENA OR CHANGE ORDERS APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY

SECTION 4-338, PART 1, TITLE 24, CCR.

3. A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA

BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).

4. A DSA CERTIFIED INSPECTOR WITH CLASS 2 CERTIFICATION IS REQUIRED FOR THIS PROJECT.

5. A DSA CERTIFIED INSPECTOR WHO IS SPECIFICALLY QUALIFIED IN MECHANICAL AND ELECTRICAL WORK WILL BE REQUIRED FOR THIS PROJECT.

6. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THIS PROJECT.

3055 Clearview Way, San Mateo, CA 94402 T: (650) 638-1028 | F: (650) 638-1029 (888)-SOL-CITY (765-2489) | www.solarcity.c

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ORGANIZATION, EXCEPT IN CONNECTION
WITH THE SALE AND USE OF THE
RESPECTIVE SOLARCITY EQUIPMENT,
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MONTE VISTA ELEMENTARY E

GLENDALE USD — N 2620 ORANGE AVE LA CRESCENTA, CA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPOS 1 1 4 5 8 5



REVISIONS

RY ME COMETS

A COMETS

JOB DETAILS

AHJ:
Los Angeles County (LA)

MODULES:
(364) YINGLI # YL240P-29b

MOUNTING SYSTEM:
STEEL SUPPORT STRUCTURES
INVERTER:
(1) XANTREX # GT100-208

MARKET: DESIGN: J TAYLOR
GOV'T
CHECKED BY:
ES

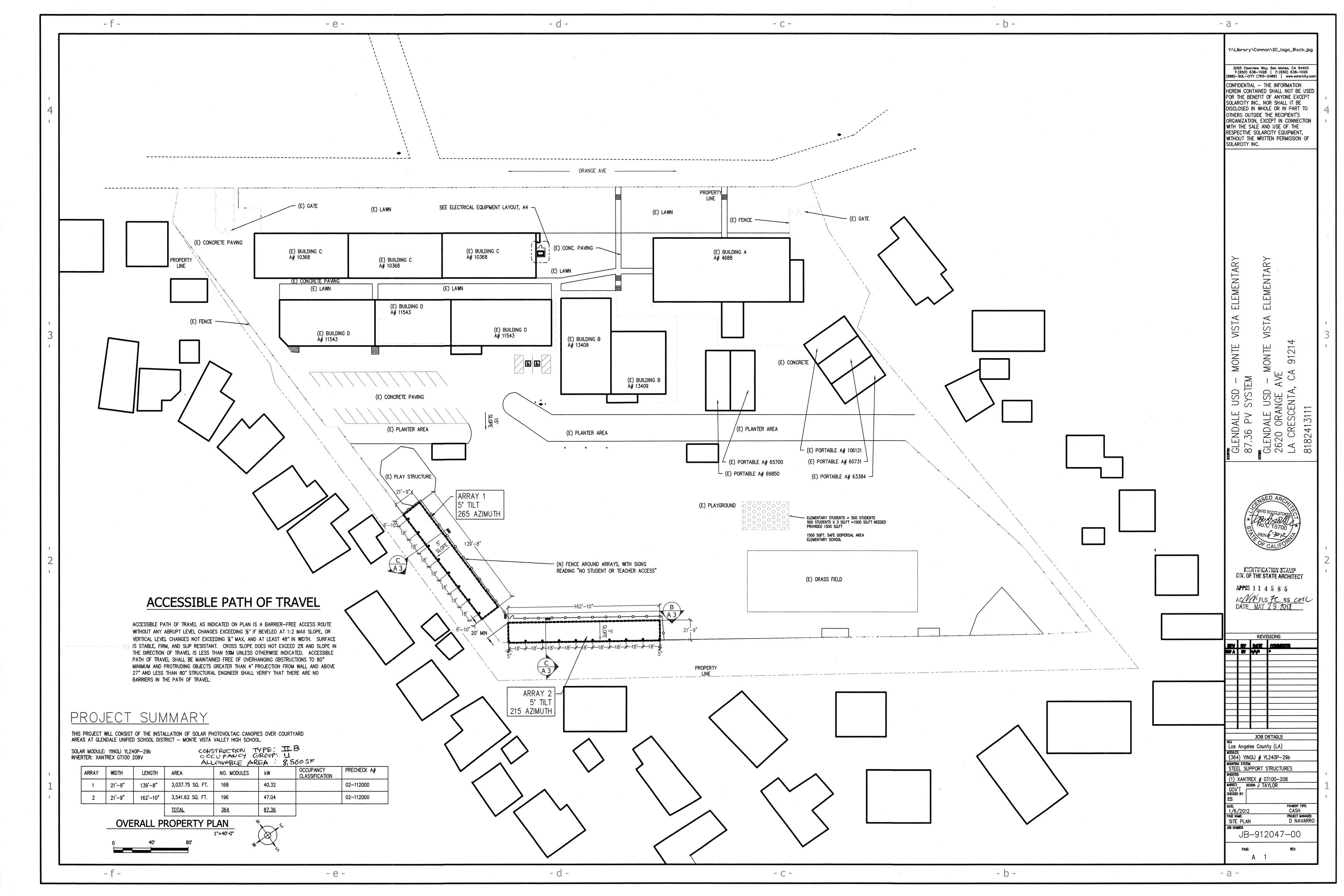
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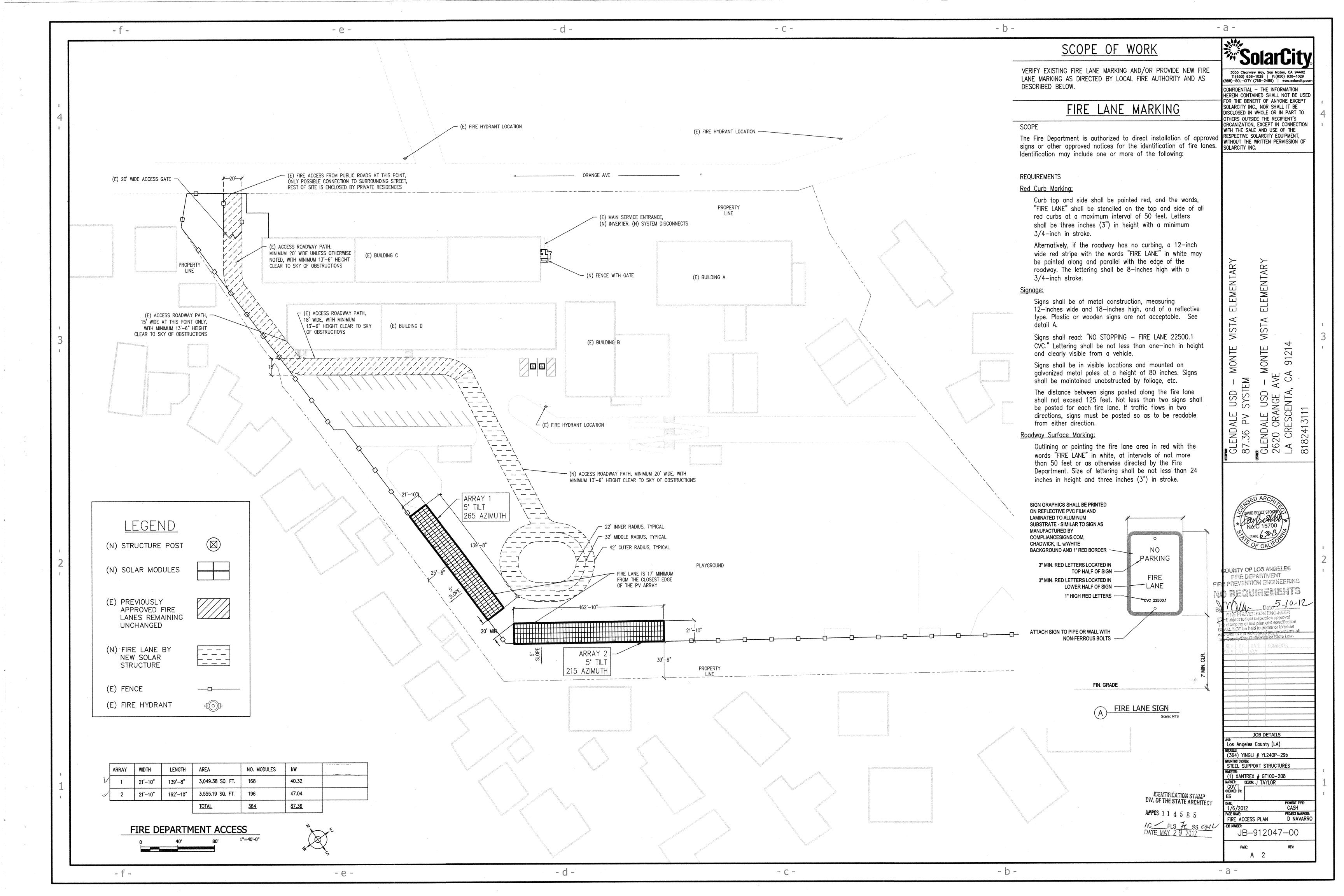
DATE: PAYMENT TYPE:
1/6/2012 CASH
PAGE NAME: PROJECT MANAGER:
TITLE PAGE D NAVARRO
JOB NUMBER:

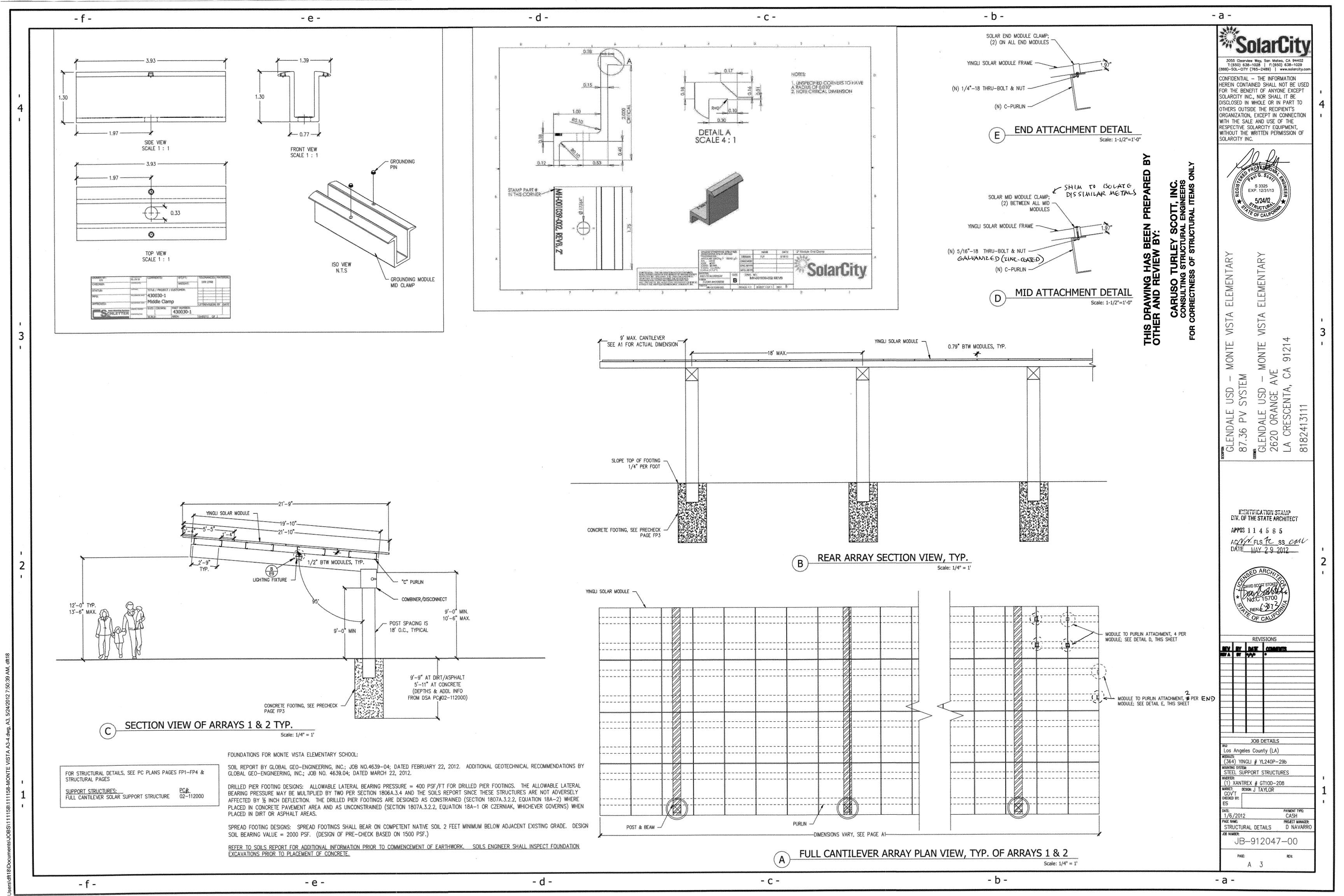
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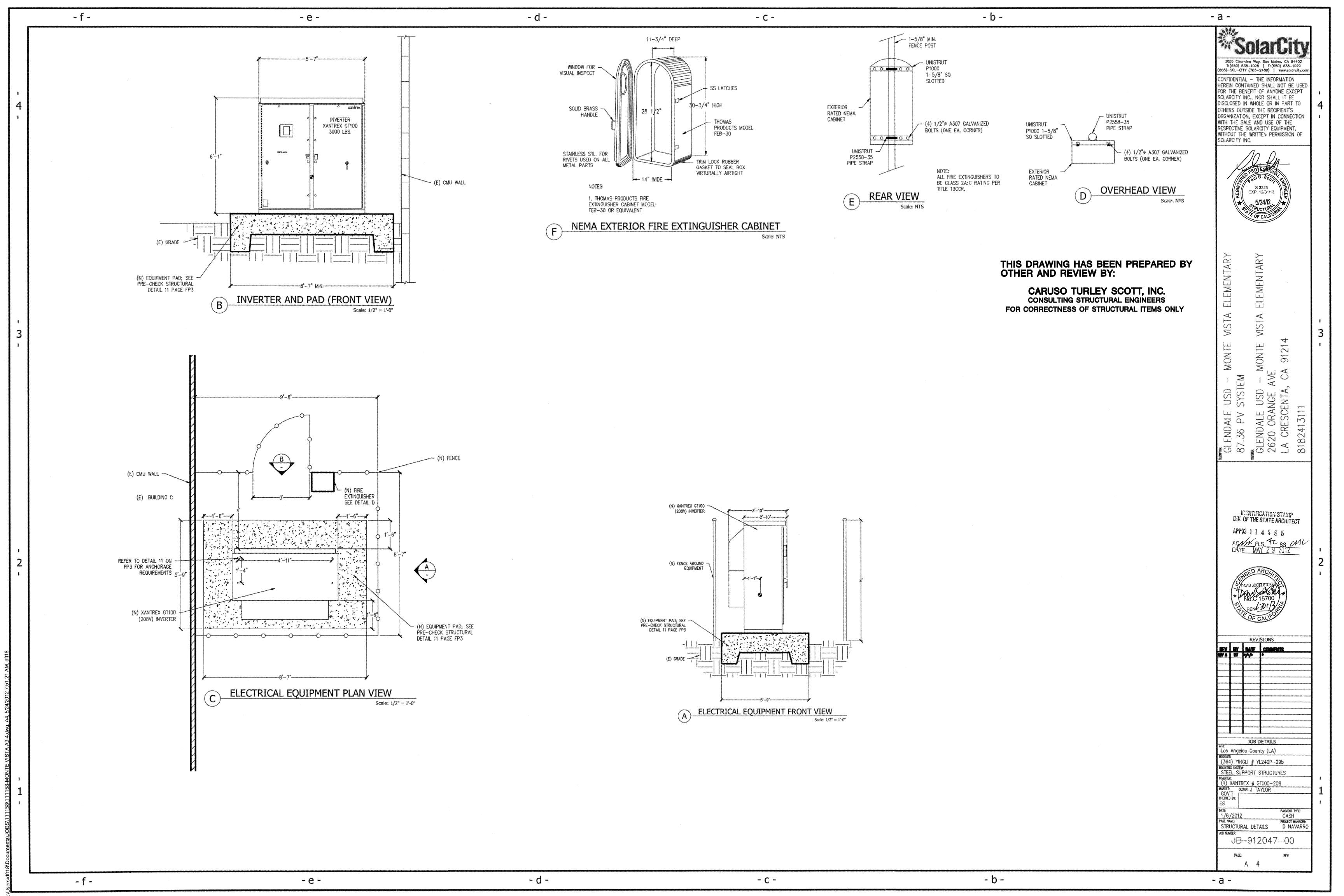
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GLENDALE USD 87.36 PV SYSTE GLENDALE USD 2620 ORANGE / LA CRESCENTA,

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP03 11 4 5 8 5 ACNN.FLS 7c SS CMU

DATE MAY 2 9 2012

BEY BY DATE COME **JOB DETAILS**

Los Angeles County (LA) (364) YINGLI # YL240P-29b WOUNTING SYSTEM: STEEL SUPPORT STRUCTURES (1) XANTREX # GT100-208

CASH PROJECT WANAGER: ELECTRICAL NOTES D NAVARRO JOB NUMBER: JB-912047-00

... <u>....</u> ...

ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2008 NATIONAL ELECTRIC CODE AS AMENDED BY THE 2010 CALIFORNIA ELECTRIC CODE.

... (<u>)</u> ...

2. EACH UNGROUNDED CONDUCTOR OF THE MULTIWIRE BRANCH CIRCUIT WILL BE IDENTIFIED BY PHASE AND SYSTEM PER ART 210.5.

3. A NATIONALLY-RECOGNIZED TESTING LABORATORY SHALL LIST ALL EQUIPMENT IN COMPLIANCE WITH ART

4. CIRCUITS OVER 250V TO GROUND SHALL COMPLY WITH

ART. 250.97, 250.92(B) 5. DC CONDUCTORS INSÍDÉ BUILDING SHALL BE IN

METALLIC RACEWAY PER ART 690.31(E). 6. ALL ABOVE GROUND CONDUIT SHALL BE EMT WITH RAINTIGHT FITTINGS, ALL CONDUIT EXPOSED TO VEHICULAR DAMAGE SHALL BE RMC. ALL BELOW GROUND CONDUIT SHALL BE SCHEDUCLE 40 PVC

7. ALL WIRES SHALL BE PROVIDED WITH STRAIN RELIEF AT ALL ENTRY INTO BOXES AS REQUIRED BY UL LISTING.

8. INSTALLATION SHALL COMPLY WITH ART. 250.52, 250.53

9. INSTALL PARALLEL CONDUCTORS PER ART 310.4 10. ALL VALUES FOR IMP AND ISC AND VMP ARE MANUFACTURER'S LISTED DATA UNCORRECTED BY NEC. 11. REFER TO CURRENT MANUFACTURER'S PLANNING AND

INSTALLATION MANUAL FOR TORQUE SPECS FOR ALL BOLTS AND TERMINAL CONNECTIONS. 12. DC STRING CIRCUITS SHALL BE RUN IN OUTDOOR

AMBIENT CONDITIONS. 13. PV INVERTER CONTAINS INTEGRATED AC AND DC DISCONNECTS AND GFDI.

14. BURIED CONDUCTORS SHALL BE BURIED TO THE MINIMUM DEPTH SPECIFIED IN ART. 300.50. 15. ALL CONDUCTORS ARE COPPER UNLESS NOTED

OTHERWISE.

GROUNDING NOTES 16. SINGLE-CONDUCTOR CABLE USED AS A GROUNDED CONDUCTOR IN PHOTOVOLTAIC POWER SYSTEMS SHALL BE IDENTIFIED AT THE TIME OF INSTALLATION BY

DISTINCTIVE WHITE MARKING AT ALL TERMINATIONS. 17. THE DC GEC SHALL BE CONTINUOUS FROM THE INVERTER GROUND BUSBAR TO THE MAIN ELECTRICAL SERVICE GROUNDING ELECTRODE SYSTEM. THE DC GEC SHALL BE ATTACHED TO THE GROUND ELECTRODE USING AN IRREVERSIBLE MEANS AS CALLED OUT IN

ART. 250,64 AND 690,47. 18. PV INVERTER CONTAINS AN INTEGRATED GFDI CIRCUIT. DO NOT BOND THE GROUNDED DC CONDUCTOR TO GROUND EXCEPT THROUGH THE INVERTER GFDI.

19. ALL EXPOSED METAL PARTS (RAIL, PIPE, BOXES, ETC) SHALL BE GROUNDED USING PROPER GROUNDED METHODS APPROVED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

20. #10 BARE COPPER EGC AT SOURCE CIRCUITS SHALL BE ROUTED SECURELY TO MOUNTING HARDWARE IN A MANNER THAT PROTECTS FROM PHYSICAL HARM.

21. FERROUS METAL RACEWAYS ENCLOSING GEC CONDUCTORS SHALL BE ELECTRICALLY CONTINUOUS OR BONDED IN ACCORDANCE WITH ART, 250,64(E). 22. MODULE FRAMES, RAIL, AND POSTS SHALL BE BONDED

WITH EQUIPMENT GROUND CONDUCTORS AND GROUNDED AT THE MAIN ELECTRIC PANEL. 23. BOTH ENDS OF ALL METALLIC CONDUIT CONTAINING

GROUNDING ELECTRODE CONDUCTORS SHALL BE BONDED PER ART 250.64(E). 24. GROUNDING ELECTRODE CÔNDUCTOR TO BE BONDED

TO (E) UFER PER ART 250.30(A)(4)(A). 25. DC GROUNDING ELECTRODE CONDUCTOR SIZED PER ART 250.166(D).

ABBREVIATIONS

ALTERNATING CURRENT BLDG BUILDING CONC CONCRETE COMBINER BOX DISTRIBUTION PANEL DIRECT CURRENT EGC EQUIPMENT GROUNDING CONDUCTOR EXISTING ELECTRICAL METALLIC TUBING SOLAR GUARD METER GALV GALVANIZED GROUNDING ELECTRODE CONDUCTOR GFDI GND GROUND FAULT DETECTOR INTERUPTOR GROUND HDG HOT DIPPED GALVANIZED CURRENT CURRENT AT MAX POWER INVS INVERTERS SHORT CIRCUIT CURRENT KILOVOLT AMPERE kVA KILOWATT LOAD BEARING WALL LBW MINIMUM MIN

NATIONAL ELECTRIC CODE NOT IN CONTRACT NOT TO SCALE ON CENTER PANEL BOARD PROPERTY LINES PHOTOVOLTAIC POLYVINYL CHLORIDE PVC SUBPANEL SCHEDULE SCH STAINLESS STEEL

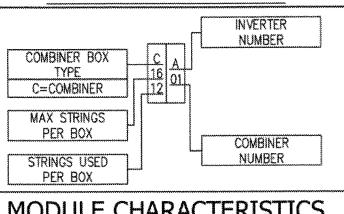
SSD STC SWH SEE STRUCTURAL DRAWINGS STANDARD TESTING CONDITIONS SOLAR WATER HEATER TYP UNLESS OTHERWISE NOTED UON UNINTERRUPTIBLE POWER SUPPLY VOLTAGE AT MAX POWER Vmp VOLTAGE AT OPEN CIRCUIT

NEMA 3R, RAINTIGHT

A BREAKER, 2 POLE **A** BREAKER, 3 POLE COMBINER BOX, DC (SEE BELOW FOR MORE INFO) m CURRENT TRANSFORMER ◆ DISCONNECT, FUSED DISCONNECT, NON FUSED -----四 FUSE (M)METER PHOTOVOLTAIC MODULE LINEAR FLUORESCENT FIXTURE

LEGEND

COMBINER BOX **NUMBERING SYSTEM**



MODULE CHARACTERISTICS

YINGLI YL240P-29b Voc = 37.5 VVmp = 29.5 Vlsc = 8.65 AImp = 8.14 ATkvoc = -0.14V/C

Tiow = 1 °C (FROM ASHRAE TABLE)

CARL BURATTI BURATTI & ASSOCIATES, INC. 6345 BALBOA BLVD, STE 259 ENCINO, CA 91316

ENGINEER OF RECORD

INDEX

ELECTRICAL NOTES

E2 ELECTRICAL SITE PLAN

E4 LINE DRAWING

E8 SIGNAGE

E5 STRING DIAGRAMS

E6 MONITORING DETAILS

E7 ELECTRICAL DETAILS

E10 TITLE 24 COMPLIANCE

E9 LIGHTING DIAGRAM

SYSTEM COMPONENTS:

TEMPERATURE = 1° C

ASHRAE 2% DRY BULB = 35° C

MAX SYSTEM VOC CALCULATIONS

(BURBANK-GLENDALE-PASADENA AP. CA)

MAX VOLTAGE = # OF MODULES/STRING X

(MODULE Voc -(Tstc-Trecord_low) X Tkvoc)

MAX VOC = 37.5 VDC - (25°C - 1°C)*-0.14 = 37.5 - -3.36 = 40.86 VDC

IEMP DATA

(364) YINGLI YL240P-29b PHOTOVOLTAIC MODULES

• (1) XANTREX GT100-208V 3¢ GRID TIE INVERTER

ASHRAE EXTREME ANNUAL DRY BULB MEAN MINIMUM

LOWEST EXPECTED AMBIENT TEMPERATURE FOR LA CRESCENTA,

MAX SYSTEM VOC = 40.86 VDC * 14 MODULES IN SERIES =

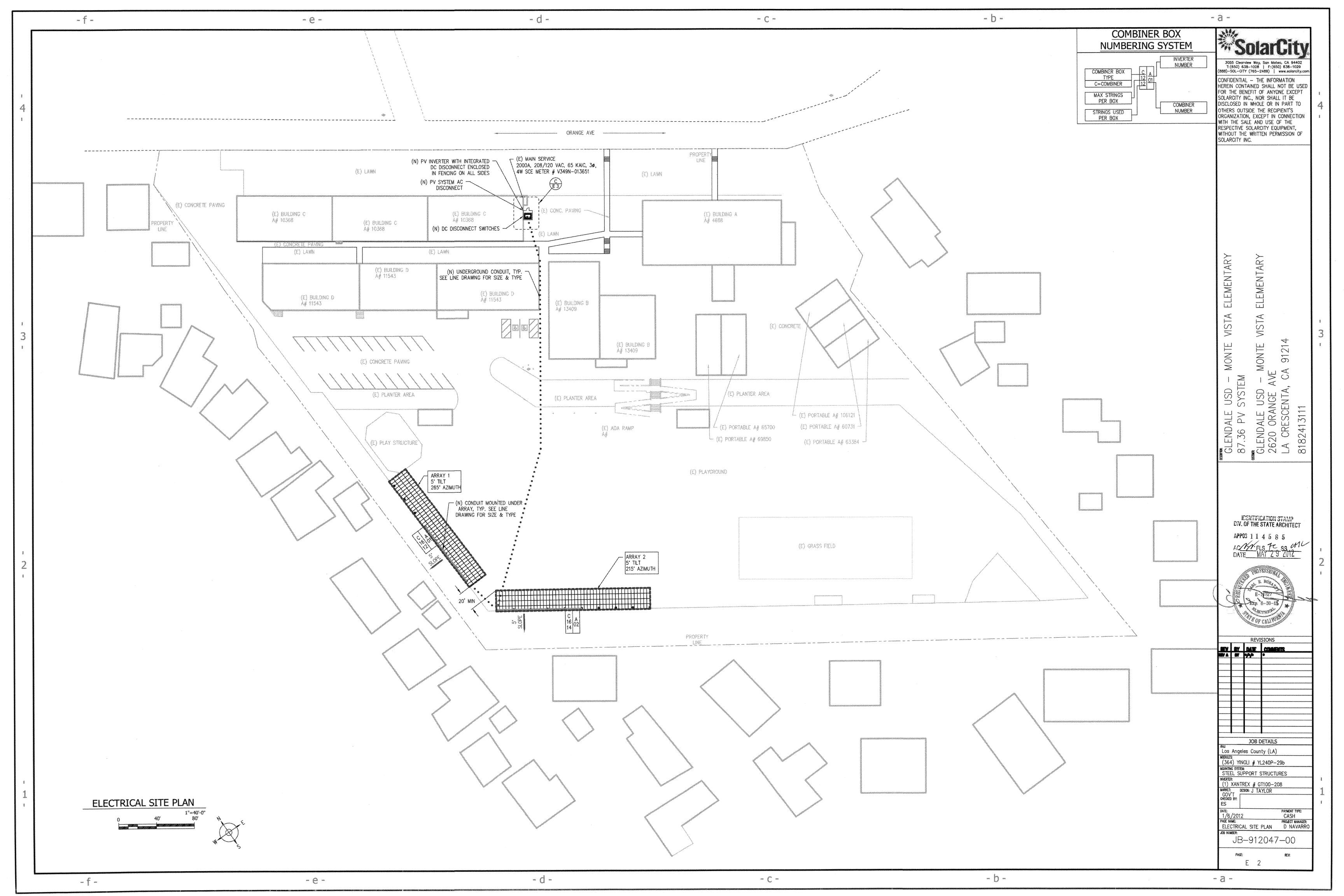
CONFIGURED INTO (26) SERIES STRINGS OF (14) MODULES

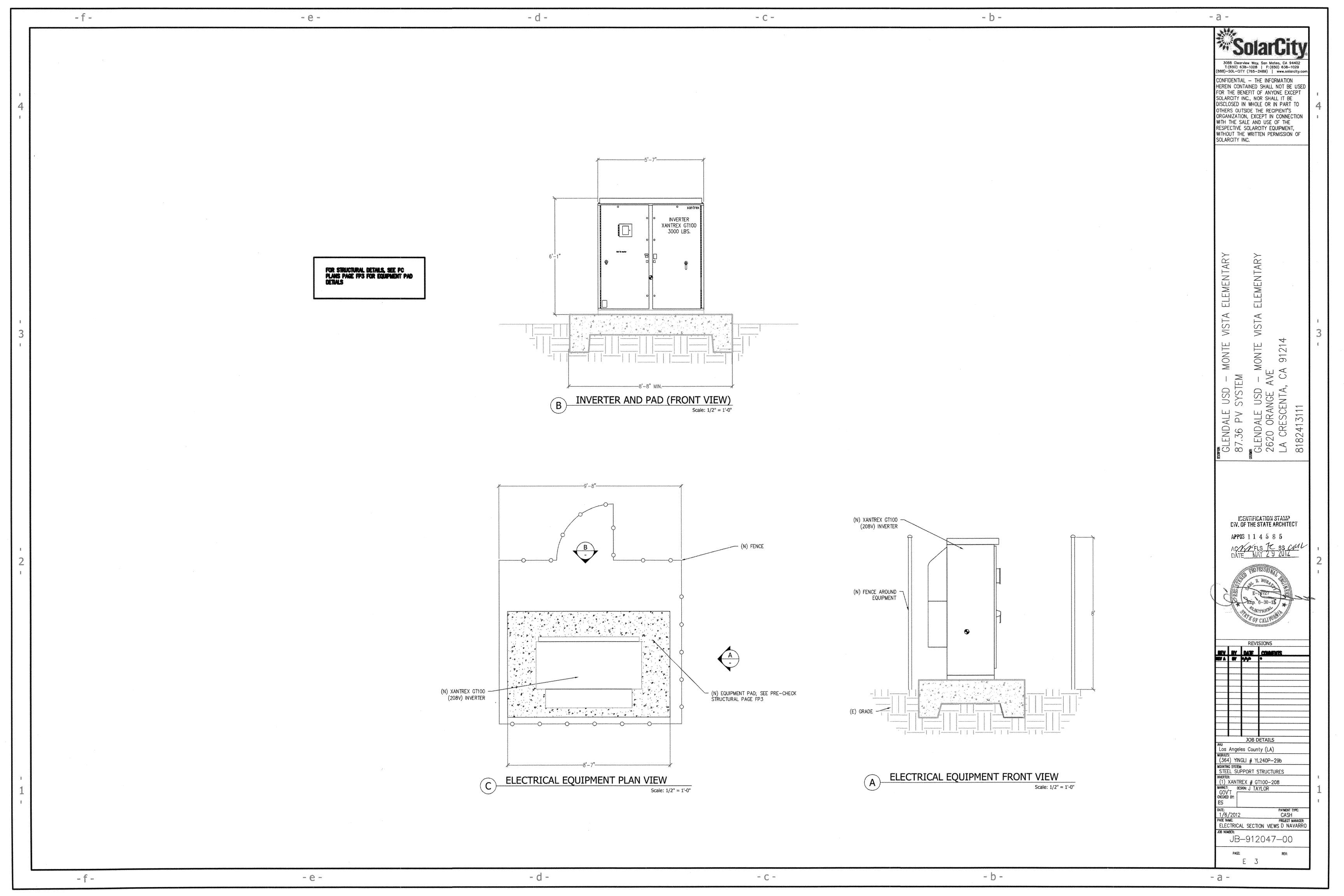
ELECTRICAL SECTION VIEWS

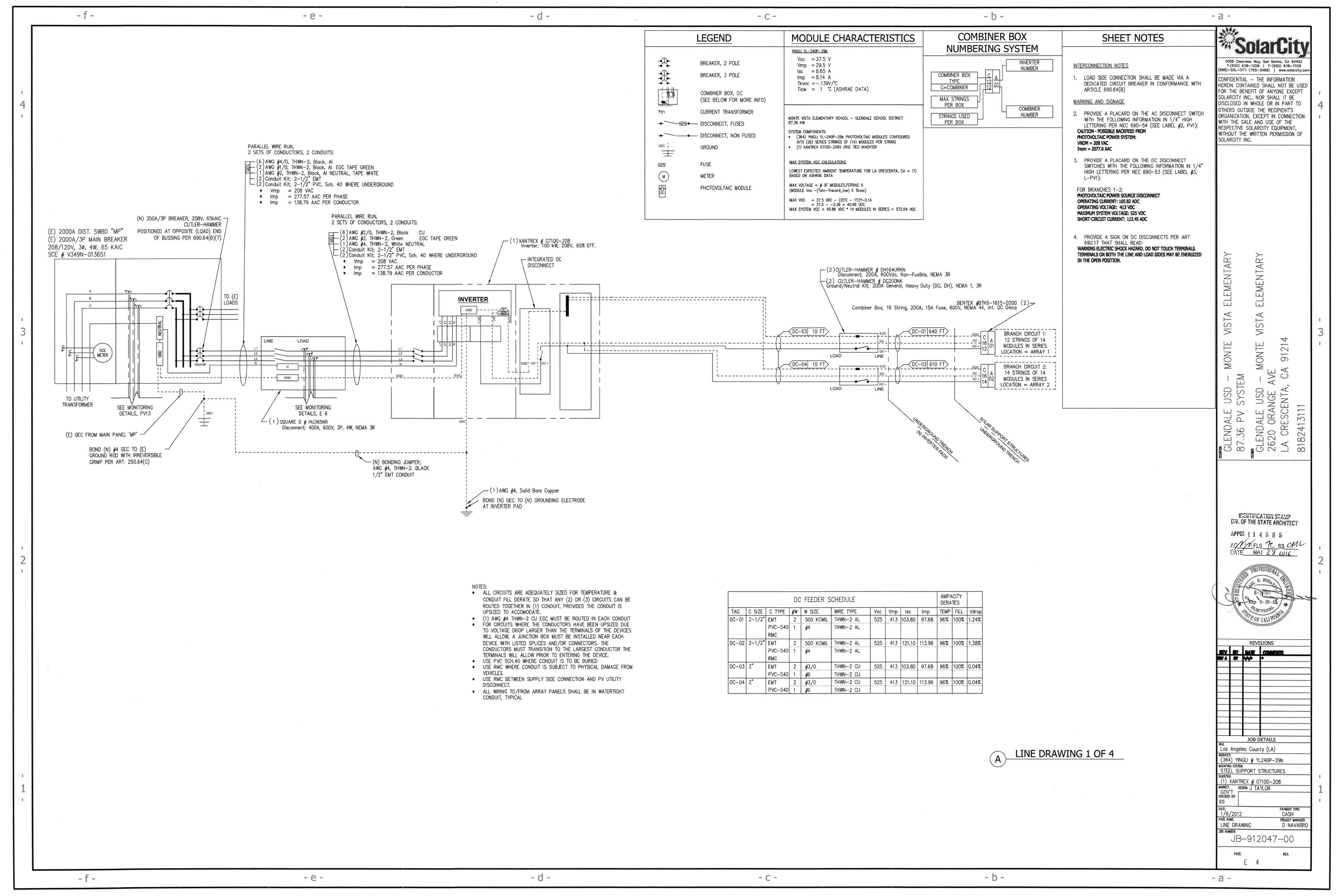
TEL: (818) 345-7130 FAX: (818) 345-7129

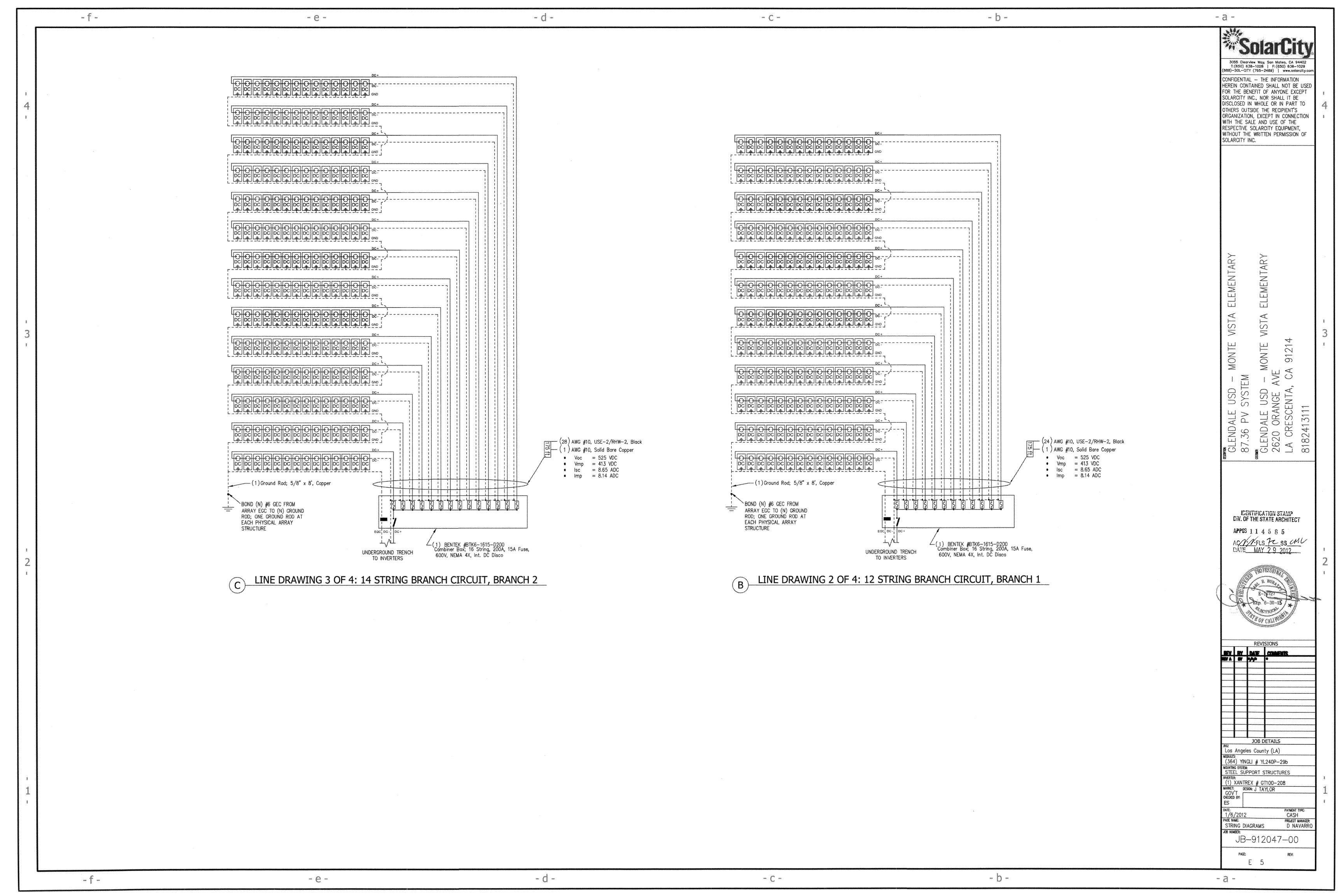
EMAIL: carl@buratti-pe.com

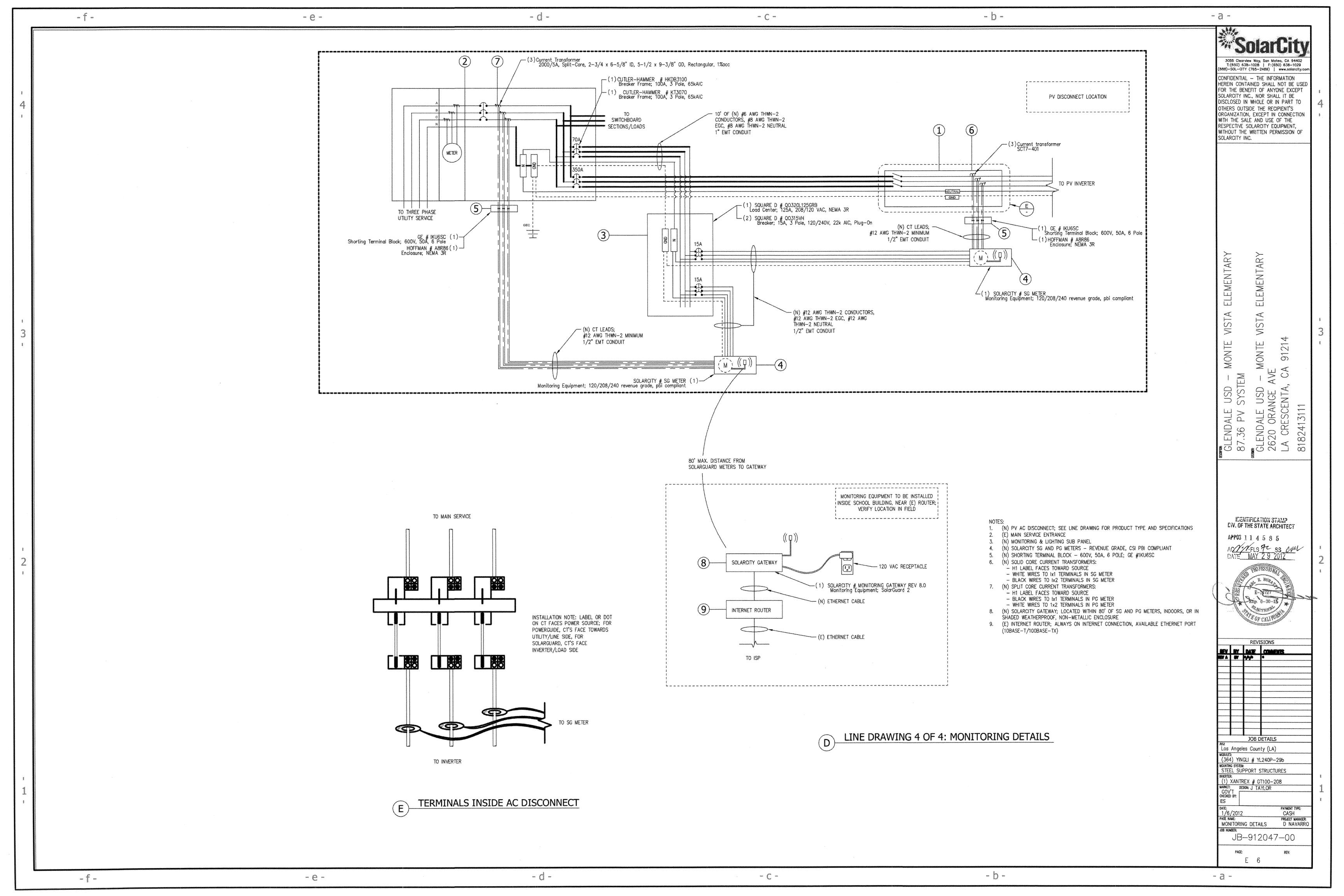
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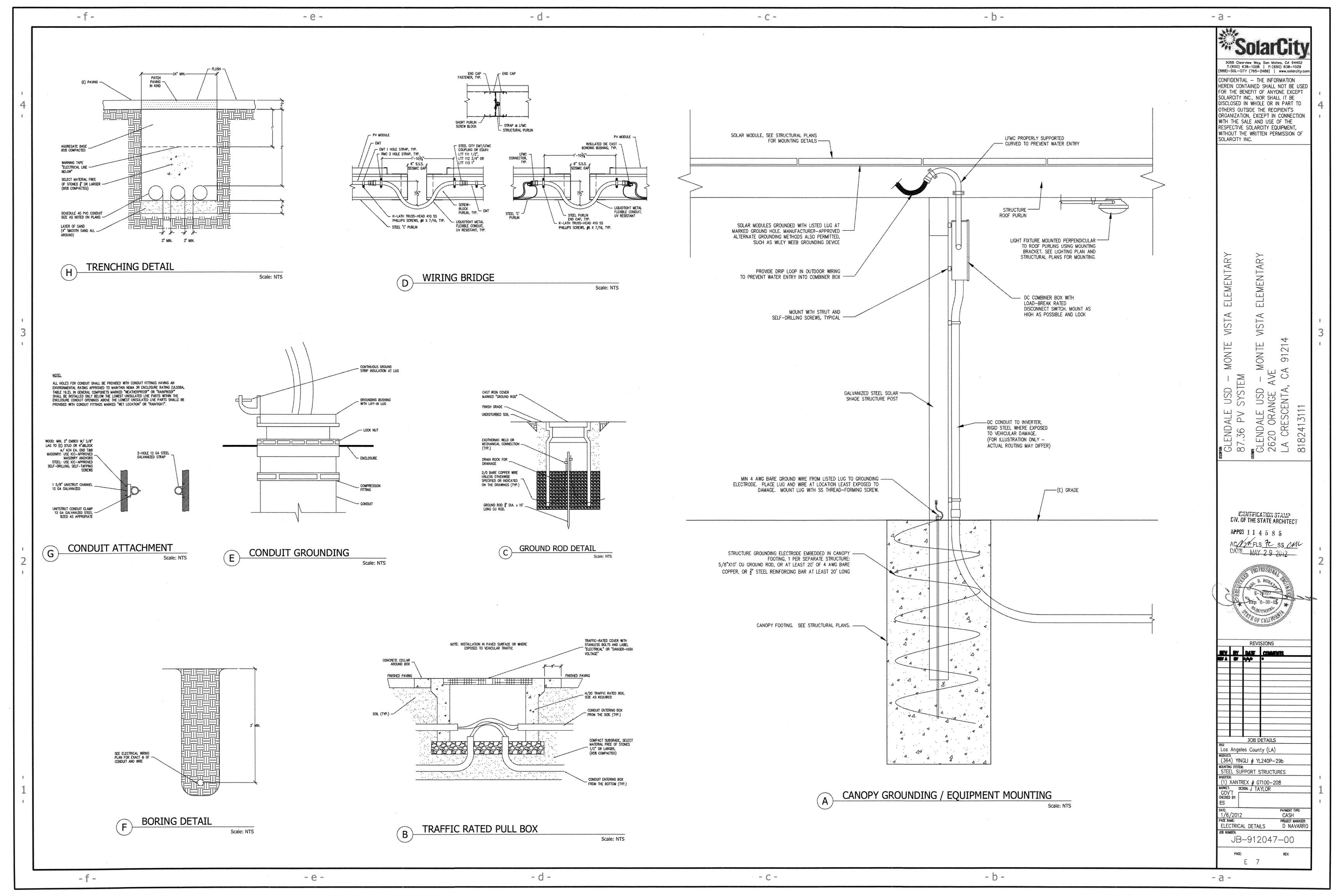


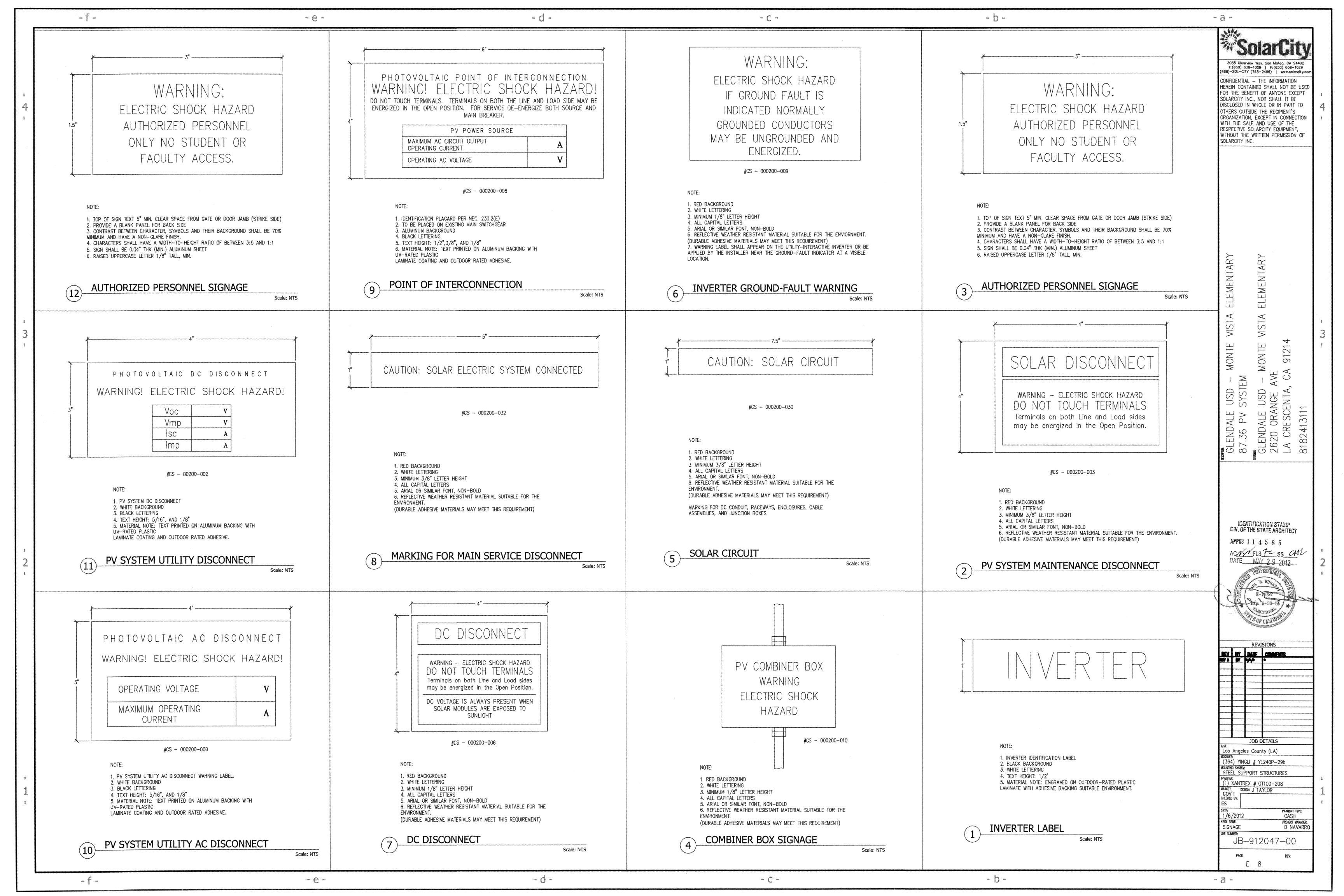


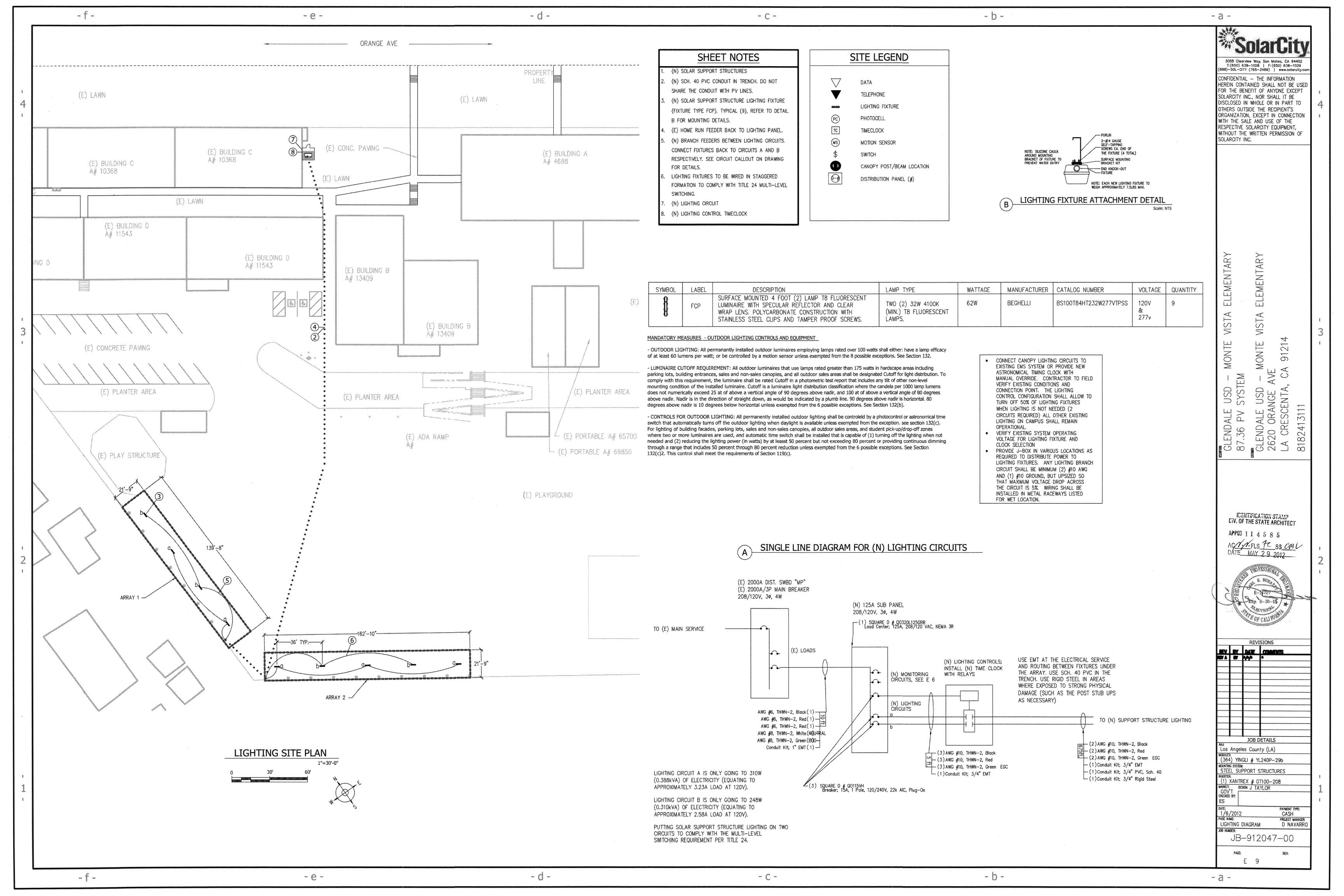












				see fine			
	Project Native: GUSD - MONTE VISTA VALLEY ELEMENTARY Project Address: 2900 COMMUNITY AVE. 6,579 sq ft General Information Phase of Construction: New Construction New Construction Addition Addition Atteration Author's Declaration Statement 1 certify that this Certificate of Compliance documentation is accurate and complete. Name James Taylor Company SolarCity Address 3055 Clearview Way City/State/Zap San Mateo, CA, 94402 Principal Lighting Designer's Declaration Statement 1 am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the lighting design. •This Certificate of Compliance identifies the lighting features and performance specifications required for compliance with Title 24, Pages 1 and 6 of the California Code of Regulations. •The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. Name Carl Buratti Company Buratti & Associates, Inc. Phone: 818-345-7130 Address 6345 Balboa Blvd, Ste. 259 City/State/Zip-Encino, CA 91316	Certificate of Compliance COMPLIANCE FIXTURE / LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST Project Name: GUSD - MONTE VISTA VALLEY ELEMENTARY Project Name: GUSD - MONTE VISTA VALLEY ELEMENTARY INSTALLATION CERTIFICATE, OLTG-1-INST (Retain a copy and verify form is completed and signed.) Luminaire Schedule A B C D Feld inspection Luminaire Schedule Installed Watts A B C D Feld two widays was determined It is a schedule It is the schedule Installed Watts A B C D Feld two widays was determined Inspection It is a schedule Installed Watts FA-D 2 32W T8 Wet Listed Fluorescent Enter total into OLTG-1C; Page 4 of 4; Row II, Total Installed Watts FA-D 2 32W T8 Wet Listed Fluorescent Enter total into OLTG-1C; Page 4 of 4; Row II, Total Installed Watts FA-D 2 32W T8 Wet Listed Fluorescent Enter total into OLTG-1C; Page 4 of 4; Row II, Total Installed Watts FA-D 2 32W T8 Wet Listed Fluorescent Enter total into OLTG-1C; Page 4 of 4; Row II, Total Installed Watts FA-D 2 32W T8 Wet Listed Fluorescent Enter total into OLTG-1C; Page 4 of 4; Row II, Total Installed Watts FA-D 2 32W T8 Wet Listed Fluorescent Enter total into OLTG-1C; Page 4 of 4; Row II, Total Installed Watts FA-D 2 32W T8 Wet Listed Fluorescent Enter total into OLTG-1C; Page 4 of 4; Row II, Total Installed Watts FA-D 2 32W T8 Wet Listed Fluorescent Enter total into OLTG-1C; Page 4 of 4; Row II, Total Installed Watts FA-D 2 32W T8 Wet Listed Fluorescent Enter total into OLTG-1C; Page 4 of 4; Row II, Total Installed Watts FA-D 2 32W T8 Wet Listed Fluorescent Enter total into OLTG-1C; Page 4 of 4; Row II, Total Installed Watts FA-D Enter total into OLTG-1C; Page 4 of 4; Row II, Total Installed Watts FA-D Enter total into OLTG-1C; Page 4 of 4; Row II, Total Installed Watts FA-D Enter total into OLTG-1C; Page 4 of 4; Row II, Total Installed Watts FA-D Enter total into OLTG-1C; Page 4 of 4; Row II, Total Installed Watts FA-D Enter total Into OLTG-1C; Page 4 of 4; Row II, Total Installed	A. OUTDOOR LIGHTING ZONE OUTDOOR LIGHTING ZONE OUTDOOR LIGHTING ZONE: Default in accordance with §10-114, or Amen Complete the information below if the default Outdoor Lighting Zone has been amended by (JHA): The site is a government designated park, recreation area, wildlife preserve, or portion to OLZS, in accordance with Table 10-114-A, because the site is contained within such. The local jurisdiction having authority has officially adopted a change to the State Defa Baergy Commission by providing the materials required in §10-114(d) to the Executive The adopted change is posted on the Energy Commission whoshite. B. ADDITIONAL LIGHTING POWER ALLOWANCE FOR ORDINANCE REQUIRED Are additional lighting power allowances for ordinance in Table 147-C used? Complete the information below if additional lighting power allowances for ordinance required in providing the information below if additional lighting power allowances for ordinance required in providing the following authority has officially adopted specific outdoor light level minimum footcandle levels, by following a public process that allowed for formal publishor the proposed change. The local jurisdiction having authority which adopted specific outdoor light level minimum footcandle levels, by following a public process that allowed for formal publishor the proposed change. The local jurisdiction having authority which adopted specific outdoor light levels and I providing the following materials required §10-114(f) to the Executive Director. C. ACCEPTANCE FORMS Required Acceptance Tests Designer: This form is to be used by the designer and attached to the plans. Listed below is the acceptional publishing and the number of systems. The NAT Section in the Reference Appendices Manual describes the test Since this form will be part of the plans, responsible party to budget for the scope of work appropriately. Farms can be grouped by Enforcement Agency: Systems Acceptance. Before Occupancy Permit is granted for a newly constructed building system w	ded by JHA y the local jurisdiction having authority bereof, and has been designated as LZ2 a zone. all Lighting Zone and has notified the e Director. IREMENTS as ENO internents are used: Is, which are expressed as average or fic notification, review, and comment has notified the Commission by plance test for the Lighting system, es serving the building or space shall be system or control of a certain type e Appendix of the Nouvesidential completion of this section will allow the otype of Luminaire controlled. g or space or when ever new lighting ecceptance Requirements, recement agency unless the boxes are abmitted to the enforcement agency that remation meet the requirements of lighted forms before the building com	CERTIFICATE OF COMPLIANCE Project Name GUSD - MONTE VISTA VALLEY ELEMENTARY A Lighting power allowance for general hardscape from OLTG-2C Page 1 of 3) B Specific application lighting wattage allowance per unit length from OLTG-2C Page 1 of 3) C Specific application wattage allowance per application from OLTG-2C Page 2 of 3) D Specific application wattage allowance per application from OLTG-2C Page 2 of 3) E Specific application wattage allowance per application from OLTG-2C Page 2 of 3) F Additional lighting power allowance per allowance per aren from OLTG-3C Page 2 of 3) G Total Allowed Wartage = Sum of rows A through F: Total Installed Warts (from Luminaire Schedule, from OLTG-1C (Page 2 of 4) Provided that the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances listed in rows A through F are identical to the li	# 888104 46, C-10 3055 Clearview Way, San Mattrices of J. F. (650) 638-1026 J. F. (650) 638-	orteo, CA 94402 50) 638-1029 *****.solarcity.com ***********************************
	Outdoor Lighting Mandatory Measures Indicate location on building plans of Mandatory Measures Note Block: LIGHTING COMPLIANCE FORMS & WORKSHEETS (check box if worksheet is included) For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Paergy Commission. OLTG-1C Certificate of Compliance. All 4 pages required on plans for all submittals. OLTG-2C (Page 1 of 3) Lighting Wattage Allowances for General Hardscape, Sales Prootage, or Ornamental Lighting, Optional on plans. OLTG-2C (Page 2 of 3) Lighting Wattage Allowances for Per Application or Per Area. Optional on plans. OLTG-2C (Page 3 of 3) Additional Lighting Power Allowance for Ordinance Requirements. Optional on plans.	SPECIAL FEATURES INSPECTION CHECKLIST (See Page 2 of 4 of OLTG-1C) The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification. The local enforcement agency determines the adequacy of the justification and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted. Field Inspector Notes or Discrepancies: 908 Nonressidential Compliance Forms July 2010	Equipment Requiring Testing Description Time Clock Astronomical Time Clock 1 At M 1. Insert: OMS for Outdoor Motion Sensor; OLSC for Outdoor Lighting Shutoff Controls; OF Astronomical Time Switch; and, STS for Standard (non-astronomical) Time Switch accepted 2008 Nonresidential Compliance Forms	Outgoor Outgoor Lighting Acceptance Tests ain Service For Outgoor Photocorteol, ATS for nce. July 2010	2008 Nonresidential Compliance Forms July 2010	MONTE VISTA ELEMENTARY MONTE VISTA ELEMENTARY	7A 91214
A. B. B.	LIGHTING POWER ALLOWANCE FOR GENERAL HARDSCAPE AREA WATTAGE ALLOWANCE (AWA) A B C D E F G ILLUMINATED SQUARE AWA PER HARDSCAPE AWA PERIMETER LENGTH OF LINEAR LWA IWA (WATTS) LIVENT AWA PER CONT (A X B) GENERAL HARDSCAPE FOOT (D X E) Enter total into OLTG-IC; Page 4 of 4; Row A; Lighting Power Allowance for General Hardscape: Yes: AWA, LWA, and IWA from Table 147-A was used as appropriate for the Outdoor Lighting Zone SPECIFIC APPLICATION LIGHTING WATTAGE ALLOWANCE PER UNIT LENGTH (Available only for safes) DETERMINE WATTAGE ALLOWANCE LUMINAIRE TYPE DESIGN WATTS A B C D E F G H Determine WATTAGE ALLOWANCE Luminaire Type Design Watts A B C D C D Luminaire Type Design Watts Linear Feet allowance for OLZ Allowance Name or Luminaire Type Design Watts per B Design Watts per B	Project Name GUSD - MONTE VISTA VALLEY ELEMENT/ D. SPECIFIC APPLICATION LIGHTING WATTAGE ALLOWAN ALLOWANCE H C+F+G Specific Lighting Application N/A Specific Application Applications Allowance (waits) (B x C) Symbol Specific Lighting Application N/A	CE PER APPLICATION DESIGN WATTS F G H J Design Allowed Watts Luminaire Type Quantity Luminaire (G x II) D or I The period of the period o		MANDATORY MEASURES: Outdoor Lighting Mandatory Measures A) Cartification: A) described excitors lighting carrioris devices must be cartified by the manufacturer before they can be installed. Cartified lighting All described excitors lighting carrioris devices or automatic. Lighting Centred Devices. Cart the Energy Hotiline at 1-806-772-3500 to obtain more information. At control devices must have instantations for installation and start-up californism. must be installated in accordance with such information before a two as status and severe a status reliable warms of sitting to entitlement in the cartification and other devices may be considered excerned the requirement if the status signals is infoasible because of inadequate power. B) Minimum Large Efficacy: B) Minimum Large Efficacy: All cultions furnitarians with lamps raised over 109 watte must either; have a large efficacy of at least 60 kenness ger watt on two controlled by a minimum sensor. Large efficacy, for the purposes of completing with Section 132 (e), is the raised initial large hargers.	CLENDALE USD – 87.36 PV SYSTEM CLENDALE USD – GLENDALE USD – 2620 ORANGE AVI	CRESCEI 32413111
	Square feet of for OLZ Allowance Name or Limitaire Watts per W	Non-Sales Canopy 6579.4 0.408 2684.4 FA I J esign Allowed Watts Vatts Minimum of ix 13) Dor I	insire Luminaire Watts per Waits Minimum of pe Luminaire Type Quantity Luminaire (G x H) D or l		divided by the railed famp power (wetts), without chickating assiliations such as ballastis. This requirement will mostly impact flaures that are designed for mercury vapor lamps and larger wastage incurals soon famps, Noss them for Increaseours, metal facility, and high-pressure accium length have a lamp efficiently greater than 60 claims per rout and vall seasily comply. A motion sensor is a device that automaticity turns legitla of soon after an area are avaisated. The minimum lamps efficacy does not apply, however, to the following applications: 1. Lighting required by a health or life safety statute, ordinance, or regulation, including but not limited to, amergency lighting. 2. Lighting sead in or around swimming pools, water features, or other locations subject to Article 680 of the California Electrical Code. 3. Searchlights. 4. Thems lighting for use in tharms parks. 3. Lighting for fifth or live performances. 6. Temporary outdoor lighting. 7. Light entitling diods, relos and cold califods lighting. C) CLA-Off Luminaires. C) Claim contains that use lamps rated greater than 175 watts in the following areas are required to be of the cutoff type: 1. Hardware areas including parking folds and service subdines hardware. 2. Substances areas areas areas areas are serviced subdines hardware. 3. All cutofor shallows are serviced subdines hardware. 4. Ondoor dining areas areas areas areas are complies. 4. Ondoor dining areas are serviced subdines hardware first and provided to the cutoff figure. 5. All cutofor shall be required to the cutoff in a pinctometric last report that includes any tilt or other non-level mounting condition of the installed keminaire. Cutoff is not required for outdoor furninaires when they are used to illuminate the following. 5. Lighting for building faculates, public incomments, attaines, and well of a mounting condition of the installed keminaire. Cutoff is not required for outdoor furninaires when they are used to illuminate final faculting and the cutofor fighting when displicit, ex	ICENTIFICATION ST DIV. OF THE STATE AR APPOS 1 1 4 5 8 ACAMPLE 12 DATE MAY 2 9 2 PROPESSION A R. BORD B R.	ss <i>cmu</i>
G	USD - MONTE VISTA VALLEY ELEMENTARY 7. ADDITIONAL LIGHTING POWER ALLOWANCE FOR ORDINANCE REQUIREMENTS Note: The additional lighting power allowance for ordinance requirements may be used only if the jurisdiction having authority has afficially adopted sp levels, which are expressed as average or minimum footcandle (fc) levels, by following a public process that allowed for formal public notification, r about the proposed change. Information in OUTG-1C: Page 3 of 4; Section B has been completed. A B C D E Illuminated Number Horizontal Foot	OLTG-2C pecific outdoor light review, and comment F Wattage Allowance (B x E)			1. But capabilis of programs-ling different actualists for winebladys and viseshends; and 2. Have programs hackys capabilists with prevent the charlos's programs and since seiting for at least 16 hours if power is interrupted, Cutators astronomical tens-events, control seed to control cutation (lighting shall). 3. Contain at least 2 capabilists programs-label channels of includes and included and a survey and 4. Have the skilly to independently offset the on and off times for each channel by 0 to 99 minutes before or after survise or surrest; and 5. Have survises and served, and 6. Have survives and served, and 6. Have and served and served; and 6. Have are submissed they are survived and served; and 6. Have are submissed daylight serving serve agreement; and 8. Have are submissed daylight serving serve agreement; and 8. Have are submissed daylight serving serve agreement; and 6. Have are submissed daylight serving serve agreement of the servine servine capabilities specified in Section 119 (c). This requirement does not apply for lighting in parking garages, tunnels, and large covered areas that require illumination during daylight hours. 5.) Multi-Level Switching For building facedes, periong lofs, garages, sales and non-sales caropties, and all outdoor sales areas, where two or more furnishers are used, automatic conductal are required to provide the courser with the stalling to curve of the tighting power by at least 10% for not exceeding 60% when the tighting is not needed. This switching socialists is accreained to generate the courser with the stalling but not limited to, emergency lighting. 1. Lighting results by a flowing release greater and provides the courser with the stalling but not limited to, emergency lighting. 2. Lighting that contributed by a modern or file sale published on such as settled to consider the published on the supplemental as the published to consider the course of the sale published on the supplemental to consider the course of the sale published on the sale published to c	JOB DETAILS Africant Los Angeles County (LA) MIDDLES: (364) YINGLI # YL240P-2	29b
	Total additional lighting power allowance for ordinance requirements (sum of column F) Enter actual additional incremental waitage used to meet local ordinance requirements Enter smaller of row 1 or row 2 Enter waitage from row 3 above into OLTG-1C; Page 4 of 4; Row F; Item: Additional lighting power allowance for ordinance requirements 708 Nonresidential Compliance Forms	March 2016	AUX		.vv	STEEL SUPPORT STRUCTUE INMERER: (1) XANTREX # GT100-20 MARKE: GOV'T CHECKED BY: ES DATE: 1/6/2012 PAGE NAME: TITLE 24 COMPLIANCE JB-912047 PAGE: E 10	PATMENT TIPE CASH PROJECT MANAGER: D NAVARRO

PERIODS, BUT SHALL BE READ AS SAME.

A.B. -----ANCHOR BOLT

ALT. — — — ALTERNATE

BM ----BEAM

BLK----BLOCK

BRG ----BEARING

C -----CAMBER

ARCH'L ---- ARCHITECTURAL

A/C ---- AIR CONDITIONER

ABBREVIATIONS

NOTE: ABBREVIATIONS MAY OR MAY NOT HAVE

A.B.C. -----AGGREGATE BASE COURSE

A.F.F. -----ABOVE FINISHED FLOOR

AISC-----AMERICAN INSTITUTE OF STEEL

INSTITUTE

AITC-----AMERICAN INSTITUTE OF TIMBER

ANSI-----AMERICAN NATIONAL STANDARDS

APA ---- AMERICAN PLYWOOD ASSOCIATION

ASTM ------AMERICAN SOCIETY FOR TESTING

AWS-----AMERICAN WELDING SOCIETY

B.F.F ----BELOW FINISHED FLOOR

B.O.B. ----BOTTOM OF BEAM

B.O.D. ----BOTTOM OF DECK

B.O.F. -----BOTTOM OF FOOTING

CFS -----COLD FORMED STEEL

C.G. -----CENTER OF GRAVITY

C.L.B. ----CENTERLINE OF BEAM

C.L.W. ----CENTERLINE OF WALL

D.F. (D.F.L.) — — DOUGLAS FIR LARCH

E.C. -- -- END TO CENTERLINE E.E. -----END TO END E.O.S. ----EDGE OF SLAB

EXP. BOLT (E.B.) — EXPANSION BOLT EXP. JT (E.J.) — EXPANSION JOINT

F.O.M. ----FACE OF MEMBER F.O.S. ----FACE OF STEEL

F.O.W. -----FACE OF WALL

GALV -----GALVANIZED

H.F. ----HEM FIR

JST ----- JOIST

LBS (#) ---- POUNDS

LGR "-----LEDGER

LL -----LIVE LOAD

MAS ---- MASONRY

MAX ----- MAXIMUM

MIN ----- MINIMUM

MECH'L---- MECHANICAL

MFR'D ---- MANUFACTURED MFR('S) ---- MANUFACTURER('S)

N/A -----NOT APPLICABLE N.T.S. ---- NOT TO SCALE

O.F.W.----OUTSIDE FACE OF WALL

P.C. — — — PRECAST CONCRETE

± ----PLUS OR MINUS

PREFAB ---- PREFABRICATED

REINF ---- REINFORCING

SIM -----SIMILAR

STL - - - - STEEL

STD----STANDARD

TL ---- TOTAL LOAD

T.O.B. ---- TOP OF BEAM

T.O.D. ---- TOP OF DECK

T.O.F. ---- TOP OF FOOTING

T.O.L. - - - TOP OF LEDGER

T.O.P. - - - TOP OF PLATE

T.O.S. --- TOP OF STEEL

T.O.W.---- TOP OF WALL

T.O.M. --- TOP OF MASONRY

T -----POST-TENSIONED

SDI -----STEEL DECK INSTITUTE

SLV-----SHORT LEG VERTICAL

SJI -----STEEL JOIST INSTITUTE

SLH-----SHORT LEG HORIZONTAL

OSHA ---- OCCUPATIONAL SAFETY AND

PCF ---- POUNDS PER CUBIC FOOT

PLF ---- POUNDS PER LINEAR FOOT

PSF-----POUNDS PER SQUARE FOOT PSI -----POUNDS PER SQUARE INCH

PTI -----POST-TENSIONING INSTITUTE

SSMA ----STEEL STUD MANUFACTURERS

T.O.C.T. ---- TOP OF CONCRETE TOPPING

T.O.P.C. ---- TOP OF PRECAST CONCRETE

TPI ---- TRUSS PLATE INSTITUTE

UBC ---- UNIFORM BUILDING CODE

VERT ----- VERTICAL REINFORCING

W.W.F.---- WELDED WIRE FABRIC

W/O ---- WITHOUT

U.N.O ---- UNLESS NOTED OTHERWISE

WWPA---- WESTERN WOOD PRODUCTS

W/C ---- WATER TO CEMENT RATIO

WCLA ---- WEST COAST LUMBER ASSOCIATION

WCLIB----- WEST COAST LUMBER INSPECTION

BUREAU

ASSOCIATION

TYP ----- TYPICAL
T&G ---- TONGUE AND GROOVE

ASSOCIATION

PCI -----PRECAST/PRESTRESSED CONCRETE

INSTITÚTE

HEALTH ADMINISTRATION

O.C. ----ON CENTER

OPP ---- OPPOSITE

K(KIP) -----1000 POUNDS

E.W.----EACH WAY F.F. - - - - - FINISHED FLOOR

C.L.C. ----CENTERLINE OF COLUMN

C.L.F. -----CENTERLINE OF FOOTING

CONC C.J. ---- CONCRETE CONTROL JOINT

C.M.U. -----CONCRETE MASONRY UNIT

CRSI-----CONCRETE REINFORCING STEEL

DSA -----DIVISION OF STATE ARCHITECT

GA ------GAGE (UNIT OF MEASUREMENT)

G.S.N. -----GENERAL STRUCTURAL NOTES

H.S. — — — — HEADED STUDS
IBC — — — — INTERNATIONAL BUILDING CODE

ICBO ---- INTERNATIONAL CONFERENCE OF

ICC -----INTERNATIONAL CODE COUNCIL

I.O.D. --- INTERPRETATION OF DRAWINGS

LGSEA ---- LIGHT GAGE STEEL ENGINEERS

ASSOCIATION

I.F.W. -----INSIDE FACE OF WALL

KLF -----KIPS PER LINEAR FOOT

LO.D. ----- LOCATION OF DETAILS

LLH -----LONG LEG HORIZONTAL LLV -----LONG LEG VERTICAL

MAS C.J. --- - MASONRY CONTROL JOINT

MBMA---- METAL BUILDING MANUFACTURERS

MWFRS ---- MAIN WIND FORCE RESISTANCE

SYSTEM

ASSOCIATION

LGS -----LIGHT GAGE STEEL

BUILDING OFFICIALS

GLB (GLULAM) - GLUED-LAMINATED BEAM

HORIZ -----HORIZONTAL REINFORCING

CONC S.J. ---- CONCRETE SAWCUT JOINT

C.I.P. ---- CAST IN PLACE

C.L. - - - - - CENTERLINE

CONN -----CONNECTION

CONT -----CONTINUOUS

DL ------DEAD LOAD

DWG(S) - - - - DRAWING(S)

DIA -----DIAMETER

DN -----DOWN

EQ -----EQUAL EQUIP -----EQUIPMENT

CLR-----CLEAR CONC -----CONCRETE

C.C. -----CENTERLINE TO CENTERLINE

C & C ---- COMPONENTS & CLADDING CBC -----CALIFORNIA BUILDING CODE

A.W.T.S. ---- AUTOMATIC WELDED THREADED

CONSTRUCTION

CONSTRUCTION

AND MATERIALS

2010 EDITION OF THE CALIFORNIA BUILDING CODE. OCCUPANCY GROUP PER SITE-SPECIFIC DOCUMENTS. ALLOWABLE AREA AND MINIMUM SEPARATION BETWEEN STRUCTURES TO BE DETERMINED AT EACH SPECIFIC LOCATION PER CBC WHICH IS TO BE CHECKED AT BACKCHECK.

GENERAL STRUCTURAL NOTES

II-B CONSTRUCTION LOADS:

ROOF DEAD LOAD = ACTUAL WEIGHT OF MEMBER: SOLAR PANEL = 3 PSF (MAX)

PURLIN = 4 PLF

FOR 10 DEGREE ROOF SLOPE: FOR 10 DEGREE ROOF SLOPE:

C&C WND LOAD = 18.9 PSF (TOWARD THE SURFACE).

C&C WND LOAD = 20.8 PSF (AWAY FROM THE SURFACE).

MWFRS WND LOAD = 18.9 PSF / 4.4 PSF (TOWARD THE SURFACE).

MWFRS WND LOAD = 17.8 PSF / 0.0 PSF (AWAY FROM THE SURFACE).

ROOF LIVE LOAD = 10 PSF. DESIGN FOR 300 POUND POINT LOAD LOCATED TO CAUSE MAXIMUM MOMENTS AND SHEAR. USE THE 300 POUND LOAD WITH WIND, BUT NOT WITH 10 PSF ROOF LIVE LOAD. NO STEEL DECK IS TO BE PLACED ON THE STRUCTURE - NOW OR IN THE FUTURE.

OCCUPANCY CATEGORY II

3 SECOND WIND GUST = 85 MPH. WIND IMPORTANCE FACTOR = 1.0.

THIS DESIGN CAN BE USED FOR ANY ROOF SLOPE FROM O DEGREES TO 10 DEGREES.

SEISMIC IMPORTANCE FACTOR = 1.0. SHORT PERIOD SPECTRAL ACCELERATION So = 2.85. ONE SECOND SPECTRAL ACCELERATION S1 = 1.15. REDUNDANCY FACTOR p = 1.3. Sds = 1.005 (MAX.).

Sd1 = 1.16 (MAX.).SEISMIC DESIGN CATEGORY D. BASIC SEISMIC-FORCE RESISTING SYSTEM - CANTILEVERED COLUMN SYSTEMS DETAILED TO CONFORM TO THE REQUIREMENTS FOR ORDINARY STEEL MOMENT FRAMES. RESPONSE MODIFICATION FACTOR (R)= 1.25. ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE PROCEDURE.

DESIGN BASE SHEAR (3 PANEL) = 2690 LBS. DESIGN BASE SHEAR (4 PANEL) = 3680 LBS.

FOUNDATIONS:

ALL FOOTINGS SHALL BE DESIGNED FOR THE SPECIFIC SITE. DRILLED PIER FOOTING DESIGNS ARE BASED ON THE ALLOWABLE LATERAL BEARING PRESSURES SHOWN IN DETAIL 2. THE ALLOWABLE LATERAL BEARING PRESSURE MAY BE MULTIPLIED BY 2.0 PER CBC SECTION 1806A.3.4. THE DRILLED PIER FOOTINGS ARE DESIGNED AS CONSTRAINED (SECTION 1807A.3.2.2, EQUATION 18A-2) WHERE PLACED IN A CONCRETE PAVEMENT AREA AND AS UNCONSTRAINED (SECTION 1807A.3.2.2, EQUATION 18A-1 OR CZERNIAK, WHICHEVER IS DEEPER) WHERE PLACED IN ASPHALT PAVEMENT AREAS OR DIRT AREAS.

SPREAD FOOTING DESIGNS ARE BASED ON CBC SECTION 1806A, CLASS 5 SOILS. SPREAD FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED SOIL 2 FEET MINIMUM BELOW ADJACENT EXISTING GRADE. DESIGN SOIL BEARING VALUE = 1500 PSF. SOILS ENGINEER MUST VERIFY THAT 1500 PSF SOILS (MINIMUM) ARE PRESENT AT SITE.

FOUNDATIONS ---- 3.000 PSI

CONCRETE:

SPECIFIED 28 DAY COMPRESSIVE STRENGTH F'c:

GENERAL:

ALL CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE ACI. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED UNLESS NOTED OTHERWISE. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. NO OTHER ADMIXTURES PERMITTED WITHOUT APPROVAL. FOR CONCRETE WITHOUT PLASTICIZER, MAXIMUM SLUMP 4 1/2" AT POINT OF PLACEMENT U.N.O. IF PLASTICIZER IS USED, A HIGHER FINAL SLUMP MAY BE ALLOWED UPON STRUCTURAL ENGINEER'S APPROVAL.

FOR REINFORCING INFORMATION, SEE REINFORCING SECTION OF G.S.N., PLANS, SCHEDULES AND

FLY ASH - SHALL BE LIMITED TO 50% OF TOTAL CEMENTITIOUS MATERIALS BY WEIGHT.

TEST DATA FOR EACH CONCRETE MIX SHALL BE SUBMITTED FOR REVIEW PER CHAPTER 5 OF ACI 318. REFERENCE FIGURE R5.3 FOR SUBMITTAL REQUIREMENTS AND OPTIONS. CONCRETE MIX DESIGNS THAT ARE SUBMITTED WITHOUT THE APPROPRIATE TEST DATA CANNOT BE REVIEWED.

IT IS ACCEPTABLE AND INTENDED TO USE EARTH CUTS FOR THE DRILLED PIER FOOTING AND SPREAD FOOTING. THE FOOTING DESIGNS INDICATED ON THIS SHEET DO NOT APPLY IF THE EARTH CUTS ARE UNSTABLE AND/OR DO NOT STAND ON THEIR OWN.

THE FOOTINGS INDICATED ON THIS SHEET DO NOT APPLY WHERE ORGANIC FILL MATERIALS EXIST. CONCRETE SHALL BE ADEQUATELY VIBRATED AROUND THE EMBEDDED STEEL COLUMNS TO ENSURE THE CONCRETE HAS COMPLETELY SURROUNDED THE STEEL COLUMN AND TO ENSURE THE CONCRETE AT THE INSIDE OF THE STEEL COLUMN HAS RISEN TO THE LEVEL OF THE CONCRETE IN THE REMAINDER OF THE DRILLED PIER OR SPREAD FOOTING. CONCRETE SHALL SLOPE UP SLIGHTLY TOWARDS COLUMNS TO PREVENT WATER FROM PONDING AROUND COLUMNS.

IT IS ACCEPTABLE FOR CONCRETE TO FREE FALL INTO FOOTINGS.

REINFORCING:

LL REINFORCING PER CRSI SPECIFICATIONS AND HANDBOOK. ASTM A615 (Fy = 60 KSI / GRADE 60) DEFORMED BARS FOR ALL BARS. WHERE SHOWN ON DRAWINGS ALL GRADE 60 REINFORCING TO BE WELDED SHALL BE ASTM A706. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE WITH THE STRUCTURAL ENGINEER. LATEST ACI CODE AND DETAILING MANUAL APPLY. CLEAR CONCRETE COVERAGES AS FOLLOWS:

CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH -----EXPOSED TO EARTH OR WEATHER

#6 OR LARGER ----5 AND SMALLER ----- 1 1/2" ALL OTHER PER LATEST EDITION OF ACI 318

ALL REINFORCING SHALL BE CHAIRED TO ENSURE PROPER CLEARANCES. SUPPORT OF FOUNDATION REINFORCING MUST PROVIDE ISOLATION FROM MOISTURE/CORROSION BY USE OF A PLASTIC OR CONCRETE CHAIR. DUCT-TAPE COVERED REINFORCING IS NOT AN ACCEPTABLE CHAIR.

ALL DIMENSIONS REFERENCED IN DRAWINGS AS "CLEAR" SHALL BE FROM FACE OF STRUCTURE TO EDGE OF REINFORCING, AND SHALL NOT BE LESS THAN STATED, NOR GREATER THAN "CLEAR" DIMENSION PLUS 3/8". ALL OTHERS SHALL BE PLUS OR MINUS 1/4" TYPICAL UNLESS NOTED

FIELD BENDING OR STRAIGHTENING OF DEFORMED BARS SHALL BE LIMITED TO #5 BARS AND SMALLER AND SHALL BE FIELD BENT OR STRAIGHTENED ONLY ONCE. ANY BEND SHALL BE LIMITED TO 90 DEGREES. IF FIELD BENDING OR STRAIGHTENING OF #6 BARS OR LARGER IS REQUIRED, OR IF A SECOND BEND IS REQUIRED FOR #5 BARS AND SMALLER, HEAT SHALL BE APPLIED FOR BENDING OR STRAIGHTENING. CONTRACTOR SHALL SUBMIT PROCEDURE FOR APPLYING HEAT TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO BENDING OR STRAIGHTENING BARS.

STRUCTURAL STEEL:

ALL CONSTRUCTION PER LATEST AISC STEEL CONSTRUCTION

ALL CONSTRUCTION PER LATEST AISC STEEL CONSTRUCTION MANUAL. ALL WIDE FLANGE STEEL SHALL BE ASTM A992 (Fy = 50 KSI). ALL PIPE STEEL SHALL BE ASTM A500 (Fy = 42 KSI) OR ASTM A53, TYPE E OR S, GRADE B (Fy = 35 KSI). ALL MISCELLANEOUS STEEL UNLESS NOTED OTHERWISE SHALL BE ASTM A36 (Fy = 36 KSI). IF CALLED OUT ON PLANS, Fy = 50 KSI PLATE STEEL SHALL BE ASTM A529 OR A572.

ALL STRUCTURAL ROLLED STEEL MEMBERS WITH FY GREATER THAN 36 KSI ARE TO BE IDENTIFIED WITH AN ASTM SPECIFICATION MARK OR TAG PER IBC SEC. 2203.1. HOLLOW STRUCTURAL SHAPE (HSS):

HSS COLUMNS ARE CALLED OUT ON THE DRAWINGS AS EITHER ASTM A500 (Fy = 46 KSI) OR ASTM A572 (Fy = 65 KSI).ASTM A500 (Fy = 46 KSI) HSS SECTIONS ARE TO BE PRODUCED PER THE SPECIFICATIONS SET FORTH IN AISC.

ASTM A572 (Fy = 65 KSI) HSS SECTIONS ARE TO BE PRODUCED BY DIRECT-FORMING OR FOLDING OF THE PLATE FOLLOWED BY AN ELECTRIC RESISTANCE WELD ALONG THE SEAM. INLINE INSPECTION OF THE WELD ZONE DURING PRODUCTION BY NON-DESTRUCTIVE TESTING (NDT) (ULTRASONIC

THE TERMS PIPE AND ROUND HOLLOW STRUCTURAL SHAPE (HSS) ARE USED SYNONYMOUSLY THROUGHOUT THESE DOCUMENTS ALONG WITH THE TERMS TUBE STEEL AND RECTANGULAR OR

ALL BOLTS SHALL BE ASTM A325 AND SHALL BE INSTALLED AS SLIP CRITICAL CONNECTIONS WITH THREADS INCLUDED IN SHEAR PLANE. TIGHTEN BOLTS PER AISC SPECIFICATIONS. IT IS ACCEPTABLE TO USE OVERSIZE HOLES OR SLOTTED HOLES PER AISC SPECIFICATIONS. PATENTS PENDING

WELDING:

UNLESS NOTED OTHERWISE, ALL WELDS PER LATEST EDITION OF THE AWS STANDARDS. ALL WELDING SHALL BE PERFORMED BY WELDERS HOLDING VALID CERTIFICATES AND HAVING CURRENT EXPERIENCE IN THE TYPE OF WELD SHOWN ON THE DRAWINGS OR NOTES. CERTIFICATES SHALL BE HOSE ISSUED BY AN ACCEPTED TESTING AGENCY. ALL WELDING DONE BY E70 SERIES LOW HYDROGEN RODS UNLESS NOTED OTHERWISE. FOR GRADE 60 REINFORCING BARS, USE E90 SERIES. THESE DRAWINGS DO NOT DISTINGUISH BETWEEN SHOP AND FIELD WELDS: THE CONTRACTOR MAY SHOP WELD OR FIELD WELD AT THEIR DISCRETION. SHOP WELDS AND FIELD WELDS SHALL BE SHOWN ON THE SHOP DRAWINGS SUBMITTED FOR REVIEW.

ALL FULL (COMPLETE) PENETRATION WELDS SHALL BE TESTED AND CERTIFIED BY AN INDEPENDENT

ALL SPOT WELDS SHALL BE PER LATEST AISI AND AWS STANDARDS.

STEEL CONNECTORS: SCREW FASTENERS:

ALL STEEL SCREWS SHALL BE IN ACCORDANCE WITH AISI-GENERAL AND AISI-NAS. Fy = 50 ksi AND Ft = 70 ksi FOR ALL SCREWS.

. MINIMUM SPACING OF SCREWS SHALL NOT BE LESS THAN 3 TIMES THE NOMINAL DIAMETER. MINIMUM EDGE DISTANCE FOR SCREWS SHALL NOT BE LESS THAN 1.5 TIMES THE NOMINAL SCREW 2. THE HEAD OF THE SCREW OR WASHER SHALL HAVE A DIAMETER, DW, OF NOT LESS THAN 5/16". WASHERS SHALL BE AT LEAST 0.05" THICK.

SCREW NUMBER DESIGNATION	8	10	12 (12–14)	14
NOMINAL DIAMETER	0.164"	0.190"	0.216"	0.250*

COLD FORMED STRUCTURAL STEEL FRAMING:

ALL COLD FORMED STEEL COMPONENTS INDICATED ON THE STRUCTURAL DRAWINGS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE LATEST EDITION OF "SPECIFICATIONS FOR THE DESIGN OF COLD—FORMED steel structural members" by the AISI.

ALL STRUCTURAL STEEL FRAMING MATERIAL AND ITS ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN IRON AND STEEL INSTITUTE "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBER".

ALL WELDING TO BE PERFORMED BY WELDERS HOLDING A VALID CERTIFICATE AND HAVING CURRENT EXPERIENCE IN LIGHT GAUGE STEEL. CERTIFICATES SHALL BE ISSUED BY AN ACCEPTED TESTING AGENCY. DO NOT NOTCH FLANGES OF MEMBERS WITHOUT EXPRESSED APPROVAL OF THE ENGINEER OF RECORD. ALL WELDING TO BE PERFORMED IN AN APPROVED FABRICATORS SHOP.

STRUCTURAL STEEL MEMBERS ARE FURNISHED TO A SPECIFIED MINIMUM Fy = 55,000 PSI. U.N.O. THE GRADE AND THE ASTM SPECIFICATION NUMBER OR OTHER SPECIFICATION DESIGNATION SHALL BE INDICATED BY PAINTING, DECAL, TAGGING OR OTHER SUITABLE MEANS ON EACH BUNDLE OF FABRICATED ELEMENTS. IT IS ACCEPTABLE TO USE THE FY SHOWN ON THE MILL CERTIFICATION IN LIEU OF THE "ORDERED" FY. IT IS ACCEPTABLE TO USE STEEL WITH FY = 70 KSI IF THE STEEL USED IS IN THE AISI AND/OR AISC SPECIFICATION, THE ELONGATION IN A 2" COUPON IS A MINIMUM OF 10% AND THE RATIO OF Ft OVER FY IS AT LEAST 1.08.

GAGE NO.	MIN DELIVERED THICKNESS	DESIGN THICKNESS
30	0.0120"	0.0126
29	0.0132*	0.0139*
26	0.0174"	0.0183"
20	0.0336°	0.0354*
18	0.0447"	0.0470*
16	0.0561*	0.0590"
14	0.0713"	0.0750*
12	0.0998"	0.1050"
10	0.1283*	0.1350*
	30 29 26 20 18 16 14	30 0.0120" 29 0.0132" 26 0.0174" 20 0.0338" 18 0.0447" 16 0.0561" 14 0.0713" 12 0.0998"

GENERAL NOTES:

THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. EXCEPT WHERE NOTED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE STRUCTURAL ENGINEER OF RECORD SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES FOR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERETO (NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE INSPECTION OF THESE ITEMS).

WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA. ANY ENGINEERING DESIGN, PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A REGISTERED ENGINEER RECOGNIZED BY THE BUILDING CODE JURISDICTION OF THIS PROJECT.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS. THE GREATER REQUIREMENTS SHALL GOVERN.

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL ITEMS WITH THE APPROPRIATE TRADE DRAWINGS AND SUBCONTRACTORS

TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS, BUT APPLY UNLESS NOTED OTHERWISE. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION IS CHOSEN, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES, APPROVALS AND THE COORDINATION OF THE WORK WITH ALL RELATED TRADES AND SUPPLIERS.

SPECIAL INSPECTION - STRUCTURAL ONLY:

SPECIAL INSPECTION IS REQUIRED PER CHAPTER 17A OF THE CBC FOR THE FOLLOWING: CONCRETE CONSTRUCTION:

DURING THE TAKING OF TEST SPECIMENS. B. THE PLACEMENT OF ALL FOUNDATION CONCRETE.

2. REINFORCING STEEL: INSPECTION OF IN-PLACE REINFORCING FOR CONFORMANCE PRIOR TO THE CLOSING OF FORMS OR THE DELIVERY OF CONCRETE TO THE JOBSITE FOR THE FOLLOWING: A. REINFORCING FOR SPREAD FOOTING AND DRILLED PIER CONCRETE FOUNDATIONS.
B. REINFORCING FOR INVERTER SLABS ON THE GROUND.

STEEL CONSTRUCTION:

1. WELDING: PERIODIC VISUAL INSPECTION OF ALL FIELD WELDS. 3. CONTINUOUS INSPECTION OF ALL MULTIPASS FILLET WELDS OR SINGLE PASS FILLET WELDS C. NON-DESTRUCTIVE TESTING OF ALL COMPLETE PENETRATION WELDS BY AN AWS CERTIFIED INDEPENDENT TESTING LABORATORY AT THE CONTRACTORS EXPENSE.

VERIFICATION OF VALID WELDER'S CERTIFICATES. E. ALL STRUCTURAL STEEL FABRICATORS SHALL EMPLOY AN AWS CERTIFIED INDEPENDENT TESTING LAB TO PROVIDE SHOP WELD INSPECTIONS PER CODE. INSPECTION REPORTS SHALL BE SUBMITTED TO ENGINEER OF RECORD PRIOR TO STEEL INSTALLATION.

2. STEEL FRAMES: VERIFICATION OF BRACING, STIFFENING, MEMBER LOCATIONS, AND PROPER JOINT DETAIL APPLICATION AT ALL STEEL FRAME CONNECTIONS.

A. VERIFICATION OF SLIP CRITICAL BOLT INSTALLATION FOR ASTM A325 BOLTS. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

A. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATION. B. THE SPECIAL INSPECTOR IS NOT AUTHORIZED TO APPROVE DEVIATIONS FROM THE DESIGN DRAWINGS OR SPECIFICATIONS, AND ALL DEVIATIONS MUST BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD AND/OR DSA PRIOR TO PROCEEDING WITH THE WORK. ALL REQUESTS FOR DEVIATIONS SHALL BE INITIATED BY THE CONTRACTOR VIA WRITTEN REQUEST FOR INFORMATION (RFI). C. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE DSA AND TO THE ENGINEER OR ARCHITECT OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE DSA AND/OR THE ARCHITECT OR ENGINEER OF RECORD. CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR ACCESS TO ALL ITEMS REQUIRING SPECIAL INSPECTION. ACCESS SHALL BE PROVIDED BY IN-PLACE LADDERS, SCAFFOLDS, LIFTS AND/OR OTHER EQUIPMENT OPERATED BY THE CONTRACTOR'S PERSONNEL AS REQUIRED FOR SAFE OBSERVATION. INSPECTOR IS NOT RESPONSIBLE OR AUTHORIZED TO OPERATE CONTRACTOR'S E. UPON COMPLETION OF THE ASSIGNED WORK THE ENGINEER OR ARCHITECT SHALL COMPLETE AND SIGN THE APPROPRIATE FORMS CERTIFYING THAT TO THE BEST OF THEIR KNOWLEDGE THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

THE SOLAR PANELS AND THEIR ANCHORAGE SYSTEMS ARE DEFERRED ITEMS. PER TITLE 24, PART 1, SECTION 4-317 (g), THEIR DESIGNS SHALL BE REVIEWED AND APPROVED BY DSA PRIOR TO INSTALLATION. THE DEFERRED SUBMITTAL DOCUMENTS SHALL BE STAMPED AND SIGNED BY EITHER AN ARCHITECT OR REGISTERED ENGINEER WITH A VALID CALIFORNIA LICENSE. PLEASE NOTE THAT ADDITIONAL CANOPY FRAMING AND BEARING BLOCKS MAY BE REQUIRED FOR CONNECTING THE SOLAR PANEL ANCHORAGE SYSTEM TO

NOTES FOR SITE SPECIFIC PHOTOVOLTAIC (PV) INSTALLATION:

THESE DRAWINGS ARE FOR THE STEEL STRUCTURES SUPPORTING PV PANELS. NO PROVISIONS ARE INCLUDED IN THESE DRAWINGS FOR THE PV PANELS OR THE PV

THE PV PANELS AND THE PV PANEL INSTALLATION SHALL BE SUBMITTED AS A SITE SPECIFIC APPLICATION. (REFER TO THE BOX NOTE REGARDING THE SOLAR PANELS AND THEIR ANCHORAGE BEING A DEFERRED ITEM). PV PANELS SHALL BE INSTALLED PER DRAWINGS THAT HAVE BEEN SUBMITTED TO AND REVIEWED PERMITTED BY DSA. THE PV DRAWINGS SHALL PROVIDE THE MINIMUM FOLLOWING INFORMATION.

LOCATION ALL ELECTRICAL EQUIPMENT.
WIRING DIAGRAMS TO AND FROM ALL PV PANELS AND ELECTRICAL EQUIPMENT.
ALL GROUNDING DETAILS FOR STRUCTURES AND EQUIPMENT.

ALL DISCONNECTION LOCATIONS AND DETAILS. EQUIPMENT WARNING LABELS FOR INVERTER OVER VOLTAGE. SINGLE 120 VOLT SUPPLY WITHOUT MULTI BRANCH CIRCUITS AND ELECTRICAL SHOCK HAZARD.

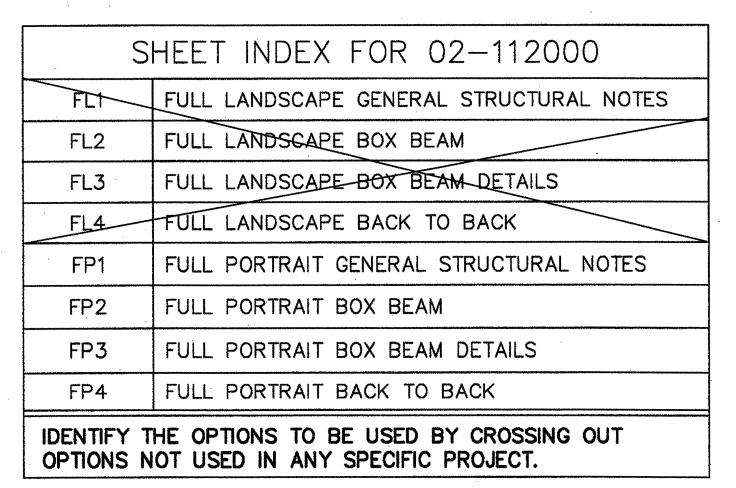
REFER TO CEC ARTICLE 690 FOR ADDITIONAL REQUIREMENTS AND DETAILS.

NOTE: PV SYSTEM SHALL BE MARKED. MARKING IS NEEDED TO PROVIDE EMERGENCY RESPONDERS WITH APPROPRIATE WARNING AND GUIDANCE WITH RESPECT TO ISOLATING THE SOLAR ELECTRIC SYSTEM. THIS CAN FACILITATE IDENTIFYING ENERGIZED ELECTRICAL LINES THAT CONNECT THE SOLAR PANELS TO THE INVERTER AND MAIN SERVICE DISCONNECT. THE LABEL SHALL BE OF A WEATHER-RESISTANT MATERIAL SUITABLE FOR THE ENVIRONMENT. MARKING CONTENT SHALL READ: "CAUTION: SOLAR ELECTRIC SYSTEM CONNECTED". THIS LABEL SHALL BE PLACED ADJACENT TO THE MAIN SERVICE DISCONNECT IN A LOCATION CLEARLY VISIBLE FROM THE LOCATION WHERE THE LEVER IS

ADDITIONAL MARKING IS REQUIRED OF THE DC CIRCUIT. MARKING IS REQUIRED ON ALL INTERIOR AND EXTERIOR DC CONDUIT, RACEWAYS, ENCLOSURES, CABLE ASSEMBLIES AND JUNCTION BOXES TO ALERT FIRE SERVICE TO AVOID CUTTING THEM. MARKING SHALL BE PLACED EVERY 10 FEET, AT TURNS AND ABOVE AND/OR BELOW PENETRATIONS AND AT ALL DC COMBINER AND JUNCTION BOXES. MARKING FOR CIRCUIT SHALL READ: "CAUTION: SOLAR CIRCUIT".

		,		
	GOVERNING LO	M MAX(K')	V MAX(K)	
	PURLIN	DL + 0.75W + 0.75Lr	4.05	0.68
	BEAM 3P	DL + 0.75W + 0.75Lr	50.53	6.73
	BEAM 4P	DL + 0.75W + 0.75Lr	99.07	9.65
	COLUMN AND FOOTING STRONG AXIS 3P	DL + 0.75W (MWFRS) + 0.75Lr	56.75	2.68
10.5'	COLUMN AND FOOTING STRONG AXIS 4P	DL + 0.75W (MWFRS) + 0.75Lr	104.46	3.64
CLR.	COLUMN AND FOOTING WEAK AXIS 3P	(1 + .14 SDS) DL + 0.7pE	37.80	2.69
•	COLUMN AND FOOTING WEAK AXIS 4P	(1 + .14 SDS) DL + 0.7pE	56.71	3.67
	COLUMN AND FOOTING STRONG AXIS 3P	DL + 0.75W (MWFRS) + 0.75Lr	57.84	2.68
12'	COLUMN AND FOOTING STRONG AXIS 4P	DL + 0.75W (MWFRS) + 0.75Lr	106.04	3.65
CLR.	COLUMN AND FOOTING WEAK AXIS 3P	(1 + .14 SDS) DL + 0.7pE	41.95	2.69
	COLUMN AND FOOTING WEAK AXIS 4P	(1 + .14 SDS) DL + 0.7pE	62.39	3.68

3P = 3 PANELS. 4P = 4 PANELS



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP03 1 1 4 5 8 5 ACNIN. FLS 7c SS CMC

PATENTS PENDING

S 3325

PRE-CHECK (PC) **DOCUMENT** CODE: 2010 CBC

A SEPARATE PROJECT APPLICATION FOR **CONSTRUCTION IS REQUIRED**

IDENTIFICATION STAMP



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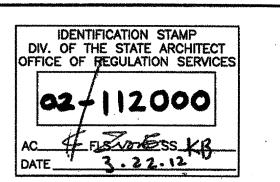
www.ctsaz.com

DRAWING EDITION/REF JOB #

REVISIONS:

SITE PROJECT:

DSA APP. NO 02-112000



JOB NUMBER: 11-071 DRAWN: ENGINEER: CHECKED BLP PGS DST 3/15/12 FP1

