



CITY OF CAMPBELL
Community Development Department

June 28, 2019

NOTICE OF PUBLIC HEARING

Notice is hereby given that the Planning Commission of the City of Campbell has set the time of 7:30 p.m., or shortly thereafter, on Tuesday, **July 9, 2019**, in the City Hall Council Chambers, 70 North First Street, Campbell, California, for a Public Hearing to consider the application of Vista Solar, Inc. for a Modification (PLN2019-31) to a previously approved Conditional Use Permit with Site and Architectural Review (PLN2011-202) to allow construction of two approximately 2,500 square-foot photo-voltaic (solar) carport structures within an existing church/private school parking lot on property located at **1075 W. Campbell Avenue**. Staff is recommending that this item be deemed Categorical Exempt under CEQA.

Interested persons may appear and be heard at this hearing. Please be advised that if you challenge the nature of the above project in court, you may be limited to raising only those issues you or someone else raised at the Public Hearing described in this Notice, or in written correspondence delivered to the City of Campbell Planning Commission at, or prior to, the Public Hearing. Questions may be addressed to the Community Development Department at (408) 866-2140.

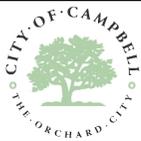
Plans and architectural drawings may be viewed at the Planning Division office during normal business hours (8:00 a.m. – 5:00 p.m.) and on the City's 'Public Notices' web page (<http://www.cityofcampbell.com/501/Public-Notices>) under 'Planning Commission'.

Decisions of the Planning Commission may be appealed to the City Council. Appeals must be submitted to the City Clerk in writing within 10 calendar days of an action by the Commission.

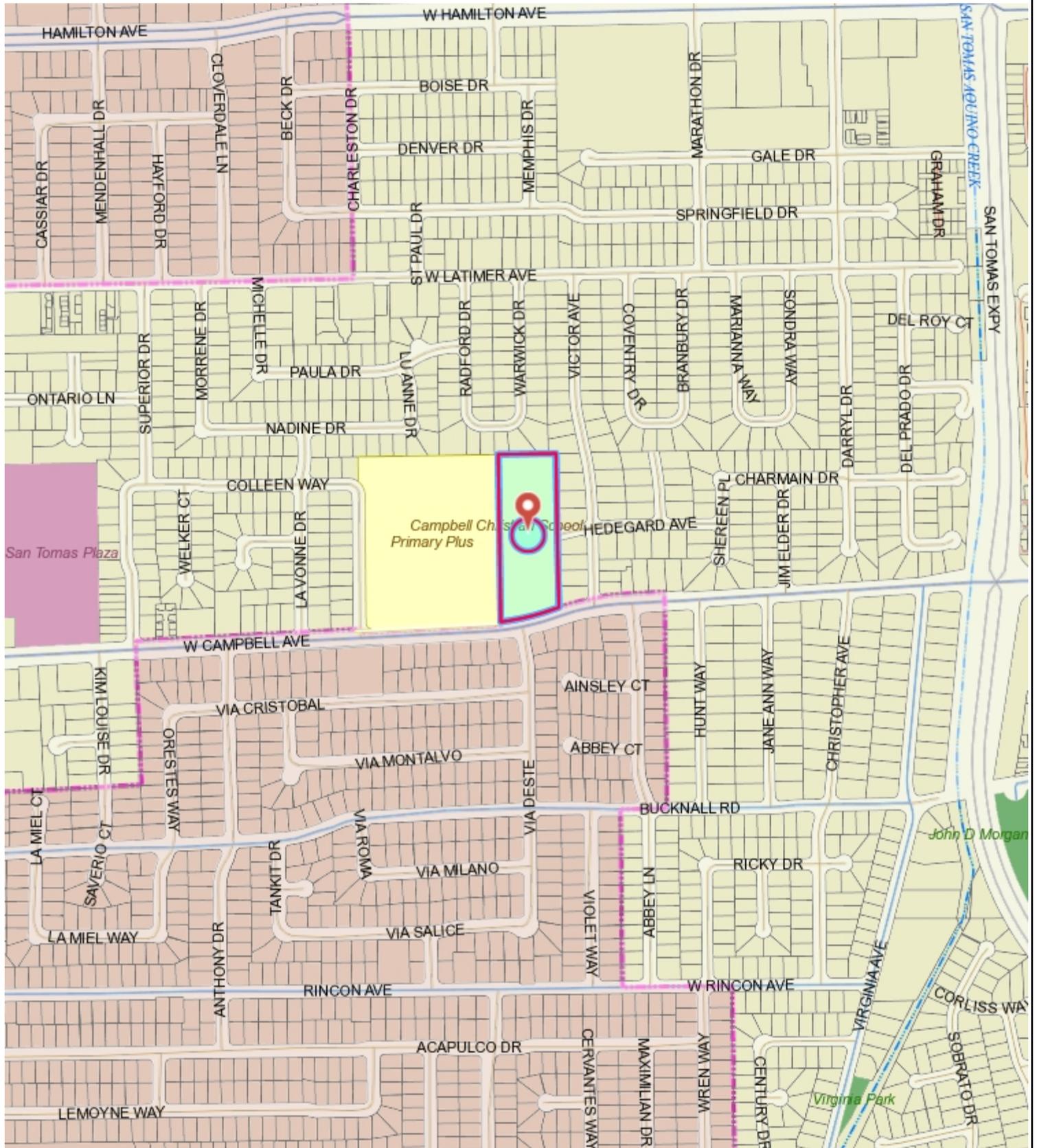
In compliance with the Americans with Disabilities Act, listening assistive devices are available for all meetings held in the Council Chambers. If you require accommodation, please contact the Community Development Department at (408) 866-2140, at least one week in advance of the meeting.

PLANNING COMMISSION
CITY OF CAMPBELL
PAUL KERMOYAN
SECRETARY

PLEASE NOTE: When calling about this Notice,
please refer to: **1075 W. Campbell Avenue**



Location Map - 1075 W. Campbell



This map is based on GIS Information and reflects the most current information at the time of this printing. The map is intended for reference purposes only and the City and its staff is not responsible for errors.

ELECTRICAL SPECIFICATIONS

SCOPE OF WORK

- THE PROJECT IS NEW PHOTOVOLTAIC SYSTEM CONSISTING OF SOLAR ARRAY(S) AND ASSOCIATED POWER CONDITIONING EQUIPMENT.
- ALL CONSTRUCTION SHALL COMPLY WITH THE ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) AND CALIFORNIA ELECTRIC CODE (2016 CEC) AS SPECIFIED IN THE PROJECT SPECIFIC NOTES.
- IT SHALL ALSO COMPLY WITH ALL APPLICABLE CITY, COUNTY, STATE AND LOCAL ELECTRICAL UTILITY CODES, RULES AND REGULATIONS.
- THE SYSTEM WILL BE INTERCONNECTED TO THE ELECTRICAL UTILITY GRID IN ACCORDANCE WITH THE REQUIREMENTS OF THE ADOPTED CEC AND THE ELECTRICAL UTILITY COMPANY.
- THE CONTRACTOR SHALL PROVIDE LABOR FOR CONSTRUCTION OF THE ARRAY AND INSTALLATION OF ALL ELECTRICAL EQUIPMENT. THE CONTRACTOR WILL PROVIDE COMPETENT SUPERVISION FOR THE WORK TO BE ACCOMPLISHED. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BY OWNER AS REQUESTED.
- THERE WILL BE NO SUBMISSION FOR ANY EQUIPMENT WITH THE VENDOR PART NUMBER ON THE DRAWING WITHOUT WRITTEN APPROVAL OF THE PROFESSIONAL ENGINEER. COMMON ITEMS SUCH AS CONDUITS, WIRE, FITTINGS, ETC. ARE NOT SPECIFIED BY VENDOR BUT THE SIZES CANNOT BE REDUCED.
- THE CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS AGREE THAT IN ACCORDANCE WITH THE GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE SAFETY OF ALL PERSON AND PROPERTY, AND THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS.
- CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS FURTHER AGREE TO DEFEND, INDEMNIFY AND HOLD HARMLESS THE DESIGN PROFESSIONAL FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PERSONNEL.
- CONSTRUCTION CONTRACTOR AND HIS SUBCONTRACTORS WILL BE REQUIRED TO REPAIR ANY DAMAGE DONE TO BUILDINGS, GROUNDS OR UTILITIES AT NO ADDITIONAL COST TO THE CUSTOMER. DEFECTIVE MATERIAL OR WORKMANSHIP WILL NOT BE ALLOWED ON THIS PROJECT. REASONABLE HOUSEKEEPING AND CLEAN UP SHALL BE CONDUCTED BOTH DURING THE EXECUTION OF AND AT THE CONCLUSION OF THE PROJECT.

GENERAL

- THE ACTUAL SYSTEM EQUIPMENT SPECIFICATIONS FOR THE PHOTOVOLTAIC SYSTEM ARE INCLUDED IN THE PV SYSTEM SPECIFICATION ON THE TITLE PAGE AND THROUGHOUT THE DRAWING AS NECESSARY FOR CLARITY. IN ADDITION THE ACTUAL VENDOR SPECIFICATION DATA SHEET WILL BE INCLUDED AS PART OF THE PERMIT SUBMITTAL.
- NEW MATERIAL WILL BE INSTALLED AS PART OF THE PROJECT. ALL NEW INSTALLED EQUIPMENT WILL BE APPROPRIATELY LISTED AND NEMA RATED. ALL NEW EQUIPMENT SHALL HAVE PERMANENT PLASTIC ENGRAVED IDENTIFICATION TAGS INSTALLED.
- ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF NEW RACEWAYS AND EQUIPMENT SHALL BE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL WORK SHALL BE PERFORMED BY TRADESMAN EXPERIENCED IN WORK REQUIRED. ALL FINISHES SHALL MATCH THE EXISTING ADJACENT FINISHES. OPENING IN FIRE RATED WALLS WILL BE PATCHED IN A MANNER MAINTAINING THE ORIGINAL FIRE AND SMOKE RATING. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND CANNOT SHOW EVERY CONNECTION, JUNCTION BOX, WIRE, CONDUIT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE AND FUNCTIONAL ELECTRICAL SYSTEM.
- CONTRACTOR SHALL COORDINATE ALL POWER OUTAGES WITH THE OWNER'S REPRESENTATIVE IN ADVANCE. PANEL DESIGNATIONS SHOWN ON THESE DRAWINGS ARE GIVEN FOR CLARIFICATION OF THE CIRCUITING ONLY AND MAY NOT CORRESPOND TO THE DESIGNATIONS FOUND IN THE FIELD.
- GENERAL TESTING SHALL BE IN COMPLIANCE WITH NFPA 70E.

CONDUIT AND WIRE

- ALL EXISTING CONDUIT RUNS ARE IN SHOW. CONTRACTOR SHALL VERIFY EXISTING CONDUIT LOCATIONS IN FIELD.
- ALL CONDUCTORS SHALL BE INSTALLED IN A RACEWAY AS SPECIFIED IN THE DRAWINGS. THE EXCEPTION IS PV SOURCE CIRCUIT CONDUCTORS MADE OF PV WIRE CABLE. THESE CONDUCTORS MAY BE EXPOSED WITHIN THE PV ARRAY.
- INDOOR EMT FITTINGS MAY BE COMPRESSION TYPE OR STEEL SET SCREW TYPE. OUTDOOR EMT FITTINGS MUST BE COMPRESSION RAINTIGHT TYPE.
- A PULL ROPE SHALL BE INSTALLED IN ALL EMPTY CONDUITS.
- CONDUCTORS MATERIAL, EITHER COPPER OR ALUMINUM IN SPECIFIED IN THE DRAWINGS. CONDUCTOR INSULATION TYPE SHALL BE XHHW-2 UNLESS OTHERWISE NOTED.
- ALL SERVICE FEEDERS AND BRANCH CONDUITS SHALL BE IDENTIFIED TO MATCH THE EXISTING BUILDING OR STRUCTURE IDENTIFICATION SCHEME PER CEC 200.6, 210.5 AND 215.12. WHERE MORE THAN ONE NOMINAL VOLTAGE SYSTEM EXIST IN A BUILDING OR STRUCTURE, EACH UNGROUNDED CONDUCTOR SHALL BE IDENTIFIED BY PHASE AND SYSTEM. THE IDENTIFICATION SCHEME SHALL BE PERMANENTLY POSTED AT EACH PANELBOARD OR SWITCHBOARD. IF THE BUILDING OR STRUCTURE DOES NOT HAVE AN EXISTING SCHEME, USE THE FOLLOWING.

PHASE	240/120 VOLT (SINGLE-PHASE)	240/120 VOLT (THREE-PHASE) 208 V STINGER-LEG	208/120 VOLT (THREE-PHASE)	480/277 VOLT (THREE-PHASE)
A	BLACK	BLACK	BLACK	BROWN
B	RED	RED	RED	PURPLE
C	NA	ORANGE	BLUE	YELLOW
NEUTRAL	WHITE	WHITE	WHITE	WHITE
GROUND	GREEN	GREEN	GREEN	GREEN
PHASE	DC (600 V)	DC (1000 V)	DC (1500 V)	DC (2000 V)
POSITIVE	RED	RED	RED	RED
NEGATIVE	BLACK	BLACK	BLACK	BLACK
GROUND	GREEN	GREEN	GREEN	GREEN

- CONDUCTORS SIZED #6 AWG AND BELOW SHALL BE COLOR CODED WITH COLORED INSULATION. CONDUCTORS SIZED #4 AWG AND LARGER SHALL BE IDENTIFIED WITH COLORED TAPE AT ALL TERMINATIONS, JUNCTIONS BOXES AND PULL BOXES. ALL CURRENT CARRYING CONDUCTORS #10 AWG AND LARGER SHALL BE STRANDED.
- ALL ELECTRICAL WIRING AND EQUIPMENT HAS BEEN PROPERLY DESIGNED FOR OVERLOAD PROTECTION
- WHERE WIRING AND CONDUIT SIZES ARE INDICATED FOR HOMERUNS, THESE SIZES APPLY TO THE ENTIRE LENGTH FROM THE PROTECTIVE DEVICE IN THE PANEL TO THE EQUIPMENT OR LAST WIRING DEVICE.
- ALL CONDUIT PENETRATIONS THROUGH ROOFS, FLOORS OR WALLS SHALL BE MADE WATER TIGHT BY PROPER FLASHING, CAULKING OR SEALING.
- WHERE PORTIONS OF A RACEWAY ARE PASSING FROM INTERIOR TO THE EXTERIOR OF A BUILDING OR UNDERGROUND TO ABOVEGROUND, THE RACEWAY SHALL BE FILLED WITH A LISTED PRODUCT THAT IS INTENDED FOR THE APPLICATION NEAR THE TRANSITION TO PREVENT THE CIRCULATION OF AIR, MOISTURE, AND WATER PER CEC 300.7
- ALL FIXTURES AND DEVICES SHALL BE PROVIDED WITH SUITABLE METAL OUTLET BOXES, CONFORMING TO CEC ARTICLE 314. BOXES SHALL BE SUPPORTED RIGIDLY FROM THE STRUCTURE.
- ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC. PVC CONDUIT SHALL NOT BE INSTALLED ABOVE GRADE. THE TRANSITION FROM PVC TO METALLIC CONDUIT SHALL BE LOCATED AT GRADE LEVEL. ALL METALLIC CONDUIT AND FITTINGS INSTALLED BELOW GRADE SHALL BE WRAPPED WITH THE LISTED, 20ML THICK, 2" WIDE TAPE. WRAP TAPE WITH 1" OVERLAP.
- RACEWAYS SUBJECT TO PHYSICAL DAMAGE SHALL BE RIGID GALVANIZED STEEL CONDUIT.
- THE CONDUIT ROUTES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE BEST CONDUIT ROUTE BASED ON THE SITE CONDITIONS. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER IF THE CONTRACTOR'S PREFERRED CONDUIT ROUTES ARE OTHER THAN WHAT ARE INDICATED ON THE DRAWINGS.

GROUNDING

- THE GROUNDING SYSTEM SHALL MEET THE REQUIREMENTS OF THE CEC AND THE LOCAL ADOPTED CODE. ALL ELECTRICAL EQUIPMENT AND RACEWAYS SHALL BE PROPERLY GROUNDED.
- AN INSULATED EQUIPMENT GROUNDING CONDUCTOR, IN ACCORDANCE WITH CEC 250.122 AND 690.47, SHALL BE PROVIDED IN ALL CONDUITS WITH CURRENT CARRYING CONDUCTORS. ALL LUGS AND CONNECTORS SHALL BE RATED FOR THE CONDUCTOR MATERIAL AND THE CONDITIONS OF USE.
- THE GROUNDING RESISTIVITY WILL BE TESTED AFTER INSTALLATION TO CONFIRM 5 OHM OR LESS RESISTANCE FROM PAGING TO GROUND. IF GROUND RESISTANCE IS GREATER THAN 5 OHMS ADDITIONAL GROUNDING WILL BE INSTALLED UNTIL RESISTANCE IS LESS THAN 5 OHMS.

EQUIPMENT

- ALL ELECTRICAL COMPONENTS INSTALLED OUTDOORS, EXPOSED TO WEATHER OR IN DAMP LOCATIONS SHALL BE RATED FOR NEMA 3R OR GREATER. INSTALLATION OF THESE COMPONENTS MUST COMPLY WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- ALL RACEWAYS, CABINETS, BOXES, FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN AN APPROVED MANNER.
- AT THE COMPLETION OF THE PROJECT NEATLY TYPED ACCURATE PANEL BOARD DIRECTORIES INDICATING ALL BRANCH CIRCUITS AND SPARES WILL BE PROVIDED. ALL SPARES SHALL BE LEFT IN THE OFF POSITION.
- ALL SAFETY SWITCHES SHALL BE HEAVY DUTY TYPE WITH COVER INTERLOCK AND HANDLE LOCK OFF PROVISIONS. SWITCHES SHALL BE MANUFACTURED BY A COMPANY CONSISTENT WITH OTHER INSTALLED EQUIPMENT WHENEVER POSSIBLE. Part NUMBERS, RATING AND FUSING SHALL BE AS SHOWN ON THE DRAWINGS.
- CONTRACTOR SHALL ENSURE ALL CEC AND MAINTENANCE CLEARANCE REQUIREMENTS ARE MET FOR NEW EQUIPMENT AND MAINTAINED FOR EXISTING EQUIPMENT.
- CONTRACTOR SHALL FIELD VERIFY EQUIPMENT CLEARANCE AND PLACEMENTS WHILE COORDINATING LOCATORS WITH OTHER TRADES, CONSTRUCTION MANAGERS, AND SITE SUPERVISORS PRIOR TO PURCHASING AND INSTALLING EQUIPMENT.
- EVERY STRUCTURE AND PORTION THEREOF, INCLUDING NONSTRUCTURAL COMPONENTS THAT ARE PERMANENTLY ATTACHED TO STRUCTURES AND THEIR SUPPORTS AND ATTACHMENTS, SHALL BE DESIGNED AND CONSTRUCTED TO RESIST THE EFFECTS OF EARTHQUAKE MOTIONS IN ACCORDANCE WITH ASCE 7, EXCLUDING CHAPTER 14 AND APPENDIX 11A. THE SEISMIC DESIGN CATEGORY FOR A STRUCTURE IS PERMITTED TO BE DETERMINED IN ACCORDANCE WITH SECTION 1613 OR ASCE 7.
- ALL CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCE AND COOLING, HEATING OR VENTILATING EQUIPMENT, SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE JUNCTION OR DEVICE BOX NOR LESS THAN 15 INCHES MEASURED TO THE BOTTOM OF THE JUNCTION OR DEVICE BOX ABOVE THE FINISHED FLOOR.
- ALL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30- AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING NOR LESS THAN 15 INCHES MEASURED TO THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING ABOVE FINISHED FLOOR.

WIRING DEVICES

- RECEPTACLES SHALL BE AS DESIGNED ON THE DRAWINGS AND SHOULD BE A BRAND CONSISTENT WITH OTHERS IN THE VICINITY WHENEVER POSSIBLE.
- ALL WIRING DEVICES SHALL BE PROVIDED WITH APPROPRIATE COVER-PLATES. ANY EMPTY BOXES SHALL HAVE BLANK COVER PLATES. COVER-PLATES SHALL BE LEXAN, PLASTIC OR STAINLESS STEEL IN FINISHED AREA. GALVANIZED COVER-PLATES MAY BE USED IN EQUIPMENT ROOMS.

LABELING AND PHASING

- FOR LABELING USE NUMBERED UV RATED LABELS TO INDICATE STRING NUMBER.
- AS A SUBSTITUTE FOR LABELS YELLOW TAPE MAY BE USED FOR PHASING
- EACH METHOD DESCRIBED ABOVE WILL NEED TO BE PERFORMED ON BOTH POSITIVE AND NEGATIVE AT POINTS WHERE CONDUCTORS ARE TERMINATED

ABBREVIATIONS

- AC - ALTERNATING CURRENT
- AL - ALUMINUM
- AWG - AMERICAN WIRE GAUGE
- CB# - COMBINER BOX
- CT - CURRENT TRANSFORMER
- CU - COPPER
- DC - DIRECT CURRENT
- DIA - DIAMETER
- E - ELECTRICAL
- (E) - EXISTING
- EMT - ELECTRICAL METAL CONDUIT
- ES - ENERGY STORAGE
- FO - FIBER OPTIC
- G - GROUND
- GFCI - GROUND-FAULT CIRCUIT INTERRUPTER
- GFDI - GROUND-FAULT DETECTION AND INTERRUPTION
- IMC - INTERMEDIATE METAL CONDUIT
- IMP - CURRENT AT MAXIMUM POWER
- J - CURRENT AT SHORT CIRCUIT
- ISC - JUNCTION BOX
- M - METER
- MET - METER
- MONO - MONOCRYSTALLINE SOLAR CELL
- N - NEUTRAL
- (N) - NEW
- NC - NORMALLY CLOSED
- NO - NORMALLY OPEN
- N/S - NORTH-SOUTH
- P - PHASE
- PLC - PROGRAMMABLE LOGIC CONTROLLER
- POLY - POLYCRYSTALLINE SOLAR CELL
- PT - POTENTIAL TRANSFORMER
- PTC - PV USE TEST CONDITIONS (RATING)
- PV - PHOTOVOLTAIC
- PVC - RIGID POLYVINYL CHLORIDE CONDUIT
- RMC - RIGID METAL CONDUIT
- RPVT - REMOTE PV TIE
- S - STRUCTURAL
- SCH - SCHEDULE
- SKID - REFERENCES ALL COMPONENTS LOCATED ON INVERTER AND TRANSFORMER SHK
- SS - STAINLESS STEEL
- STC - FACTORY STANDARD TEST CONDITIONS (RATING)
- TYP - TYPICAL
- VMP - VOLTAGE AT MAXIMUM POWER
- VOC - VOLTAGE AT OPEN CIRCUIT
- XFMR - TRANSFORMER
- +
-
- Ø - PHASE

ELECTRICAL ABBREVIATIONS, SYMBOLS AND LINE TYPE LEGEND

NOT ALL ABBREVIATIONS, SYMBOLS AND LINE TYPES ARE USED IN THIS PROJECT

ABBREVIATIONS

- AC - ALTERNATING CURRENT
- AL - ALUMINUM
- AWG - AMERICAN WIRE GAUGE
- CB# - COMBINER BOX
- CT - CURRENT TRANSFORMER
- CU - COPPER
- DC - DIRECT CURRENT
- DIA - DIAMETER
- E - ELECTRICAL
- (E) - EXISTING
- EMT - ELECTRICAL METAL CONDUIT
- ES - ENERGY STORAGE
- FO - FIBER OPTIC
- G - GROUND
- GFCI - GROUND-FAULT CIRCUIT INTERRUPTER
- GFDI - GROUND-FAULT DETECTION AND INTERRUPTION
- IMC - INTERMEDIATE METAL CONDUIT
- IMP - CURRENT AT MAXIMUM POWER
- J - CURRENT AT SHORT CIRCUIT
- ISC - JUNCTION BOX
- M - METER
- MET - METER
- MONO - MONOCRYSTALLINE SOLAR CELL
- N - NEUTRAL
- (N) - NEW
- NC - NORMALLY CLOSED
- NO - NORMALLY OPEN
- N/S - NORTH-SOUTH
- P - PHASE
- PLC - PROGRAMMABLE LOGIC CONTROLLER
- POLY - POLYCRYSTALLINE SOLAR CELL
- PT - POTENTIAL TRANSFORMER
- PTC - PV USE TEST CONDITIONS (RATING)
- PV - PHOTOVOLTAIC
- PVC - RIGID POLYVINYL CHLORIDE CONDUIT
- RMC - RIGID METAL CONDUIT
- RPVT - REMOTE PV TIE
- S - STRUCTURAL
- SCH - SCHEDULE
- SKID - REFERENCES ALL COMPONENTS LOCATED ON INVERTER AND TRANSFORMER SHK
- SS - STAINLESS STEEL
- STC - FACTORY STANDARD TEST CONDITIONS (RATING)
- TYP - TYPICAL
- VMP - VOLTAGE AT MAXIMUM POWER
- VOC - VOLTAGE AT OPEN CIRCUIT
- XFMR - TRANSFORMER
- +
-
- Ø - PHASE

UNITS OF MEASUREMENT

- A - AMPHERES
- C - CELCIUS
- FT - FEET
- IN - INCHES
- MW - MEGAWATT
- KV - KILOVOLTS
- KVA - KILOVOLTS - AMPHERES
- KW - KILOWATTS
- KVHR - KILOWATTS - HOUR
- V - VOLT
- VAC - VOLTS IN AC
- VDC - VOLTS IN DC
- W - WATT

GENERAL SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LABEL		LIGHT
	DETAIL REFERENCING SHEET NUMBER		REMOTE PV TIE
	KEYNOTE		TRANSFORMER (XFMR)
	REVISION		WEATHER STATION
	SECTION		GENERATOR
	LABELS AND WARNINGS REFERENCING SHEET NUMBER		BATTERY
	KEYNOTE REFERENCING SHEET NUMBER		AUTOMATIC TRANSFER SWITCH (ATS)
	METER		DELTA TRANSFORMER WINDINGS
	INVERTER		WYE GROUNDING TRANSFORMER WINDING
	CIRCUIT BREAKER		NEUTRAL
	FUSE		GROUNDING
	SWITCH		NEUTRAL BUS
	FUSE SWITCH		NEGATIVE
	TAP		GROUND
	ARRESTER		NEGATIVE BUS
	TRANSFORMER		GROUND BUS
	CURRENT TRANSFORMER		CABLE LIMITER
	AC POWER BUS		DC COMBINER BOX
	CONTROL UNIT		PV MODULE
	ELECTRICAL PANEL		EXPANSION JOINT
	JUNCTION BOX		



DATE	DRAWN	CHECKED	BY	DATE	BY
1/20/20	JP	JP	JP	1/20/20	JP
1/20/20	JP	JP	JP	1/20/20	JP

PROJECT NAME CAMBELL CHURCH OF CHRIST - PHASE 2	1075 W CAMPBELL AVE CAMBELL CA 95008
--	--

DATE	SCALE	NO. SHEETS	TOTAL SHEETS
1/20/20	AS NOTED	1	1



CLIENTS INITIAL

E-000

LEGEND

-  PV MODULES
-  HVAC
-  SKYLIGHT
-  VENTS
-  HATCH
-  DISH

CAMPBELL CHURCH OF CHRIST - PHASE 2

	Equipment	Dimension	Tilt Angle (Degree)	Azimuth (Degree)	Count	Total Size (kW)	Total Area (ft ²)
(N) CARPORT ARRAY 1	SPR-X21-345-COM FRONIUS SYMO 15.0-3 208	61.3' x 41.2'	7 NA	179 NA	154 3	53.130 NA	2701 NA
(N) CARPORT ARRAY 2	SPR-X21-345-COM FRONIUS SYMO 15.0-3 208	61.3' x 41.2'	7 NA	179 NA	147 3	50.715 NA	2578 NA
(N) ROOFTOP ARRAY - FLUSH MOUNT	SPR-X21-345-COM FRONIUS SYMO 15.0-3 208	61.3' x 41.2'	7 NA	179 NA	192 4	66.240 NA	3367 NA
TOTAL	SPR-X21-345-COM FRONIUS SYMO 15.0-3 208	61.3' x 41.2'	7 NA	179 NA	493 10	170.085 NA	8647 NA



REV	DESCRIPTION	DATE	DRAWN	CHECKED	BY
0	PERMIT SET	1/20/24	PL	GP	PL
1	CONTRACT COMMENTS	1/23/24	GP	GP	GP
2	CD COMMENTS	1/23/24	GP	GP	GP

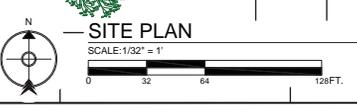
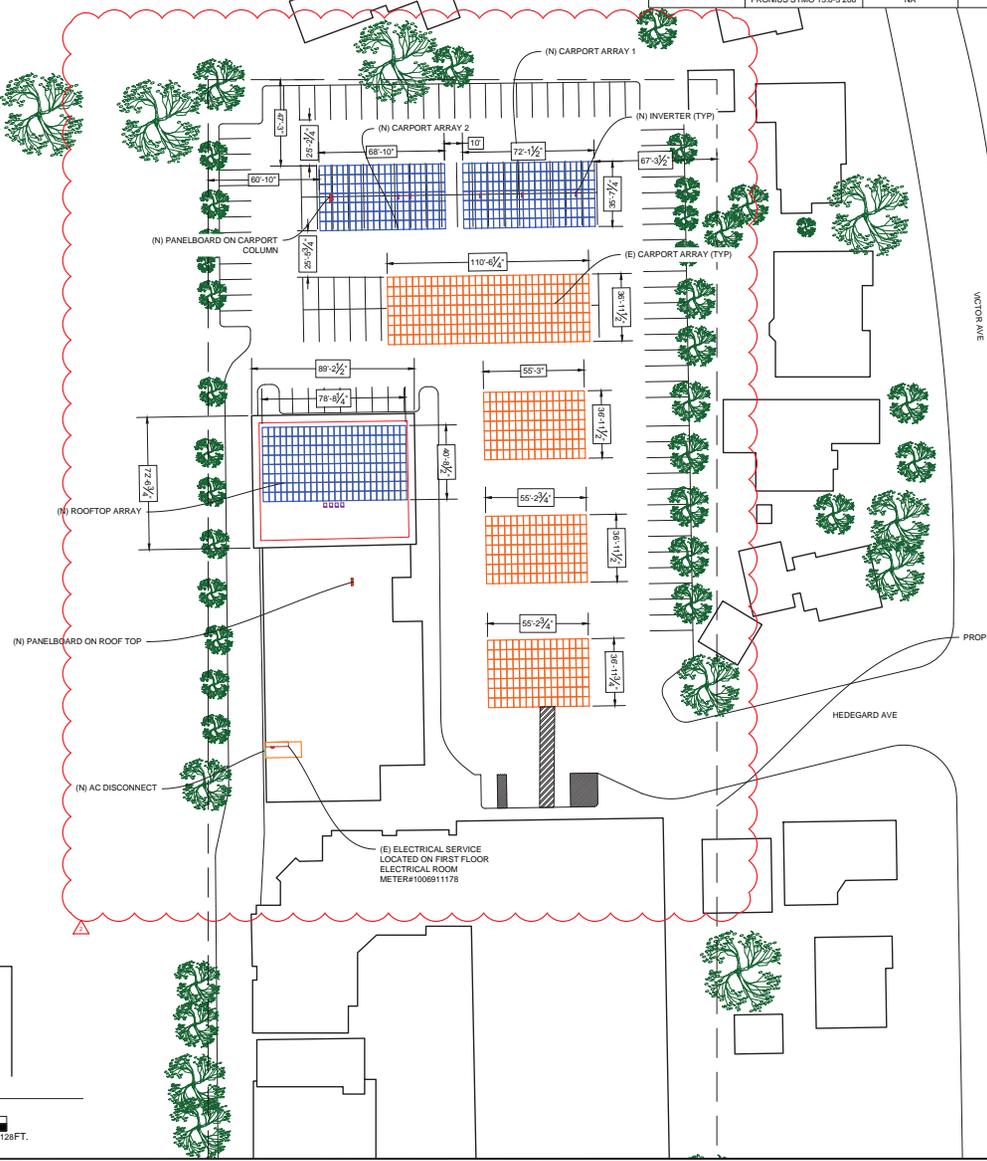
PROJECT NAME CAMPBELL CHURCH OF CHRIST - PHASE 2	1075 W CAMPBELL AVE CAMPBELL CA 95008
---	---

DATE	SCALE	AS NOTED	DATE	SCALE	AS NOTED
1/20/24	1/32" = 1"	AS NOTED	1/20/24	1/32" = 1"	AS NOTED



CLIENTS INITIAL

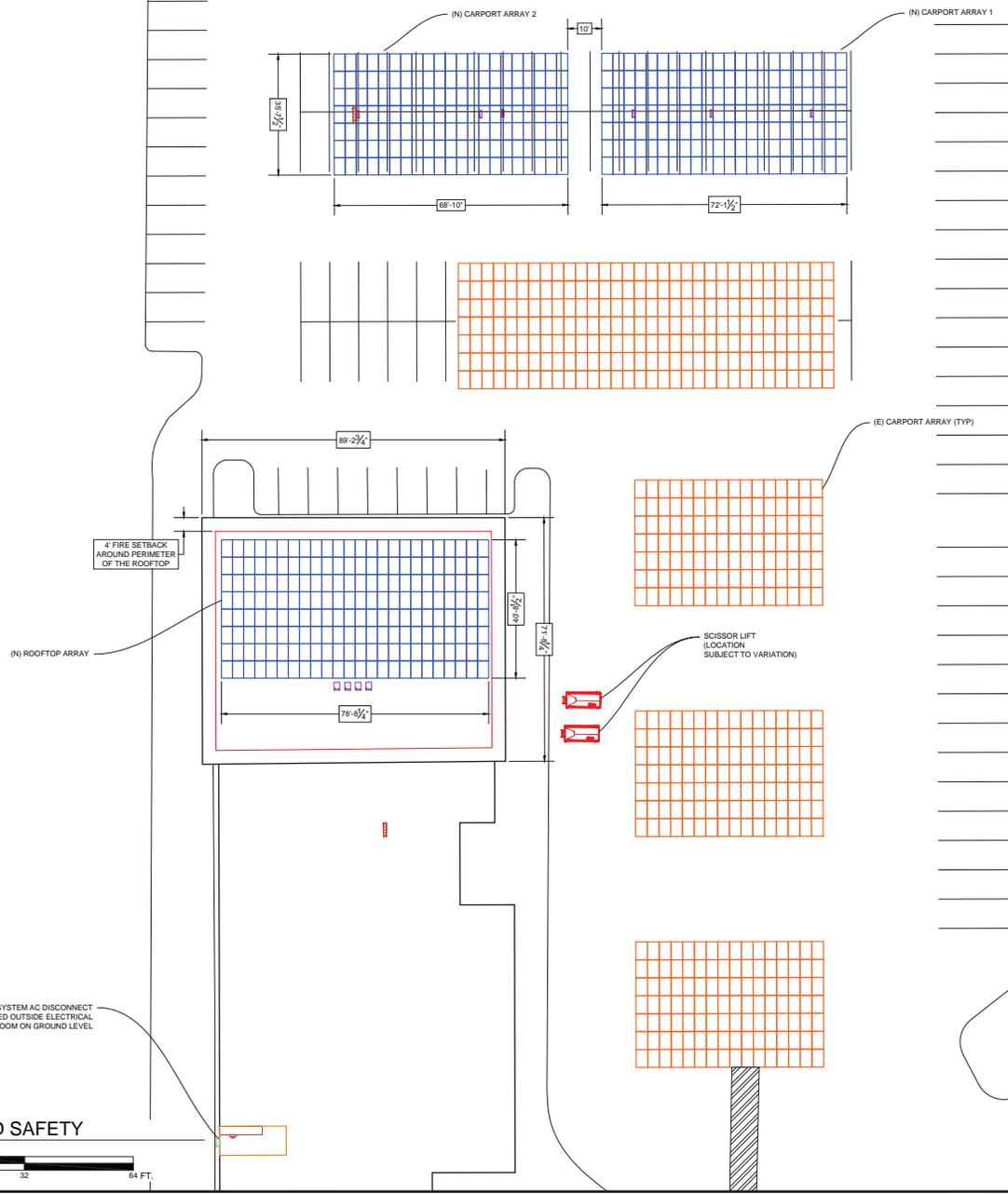
E-101



PROJECT INFORMATION		
INTERCONNECTION VOLTAGE	METER NUMBER	UTILITY NAME = PG&E
208/120 V	1086911178	AZIMUTH (DEGREE) = 179
---	---	MIN. AMBIENT TEMP = 0°C
---	---	MAX. AMBIENT TEMP = 36°C
---	---	APN = 307-51-009
---	---	---

LEGEND

-  PV MODULES
-  HVAC
-  SKYLIGHT
-  VENTS
-  HATCH
-  DISH



4" FIRE SETBACK AROUND PERIMETER OF THE ROOFTOP

SCISSOR LIFT (LOCATION SUBJECT TO VARIATION)

(N) PV SYSTEM AC DISCONNECT LOCATED OUTSIDE ELECTRICAL ROOM ON GROUND LEVEL

FIRE AND SAFETY
SCALE: 1/16" = 1'

- GENERAL NOTE**
1. OPERATIONS SHALL BE COMPLIANT WITH STANDARDS AND REGULATIONS OUTLINED IN NFPA 70E.
 2. 4" WIDE CLEAR PERIMETER AROUND THE ROOF WHEN EITHER AXIS OF BUILDING IS LESS THAN 250' ACCORDING TO CAL FIRE 2.2.1
 3. 4" FROM SKYLIGHTS AND/OR VENTILATION HATCHES ACCORDING TO CAL FIRE 2.2.2 C
 4. CAL FIRE 2.2.3 A STATES THAT ARRAYS SHOULD BE NO GREATER THAN 150 BY 150 FEET IN DISTANCE IN EITHER AXIS
 5. 6" CENTERLINE PATHWAYS 2.2.3(B)(1) OR 4" OR GREATER IN WIDTH PATHWAY AND BORDERING 4X8 "VENTING CUTOUTS" EVERY 20' ON ALTERNATING SIDES OF THE PATHWAY
 6. CONDUIT, WIRING SYSTEMS, AND RACEWAYS FOR PHOTOVOLTAIC CIRCUITS SHOULD BE LOCATED AS CLOSE AS POSSIBLE TO THE RIDGE OR HIP OR VALLEY AND FROM THE HIP OR VALLEY AS DIRECTLY AS POSSIBLE TO AN OUTSIDE WALL TO REDUCE TRIP HAZARDS AND MAXIMIZE VENTILATION OPPORTUNITIES.
 7. CONDUIT RUNS BETWEEN SUB ARRAYS AND TO DC COMBINER BOXES SHOULD USE DESIGN GUIDELINES THAT MINIMIZE TOTAL AMOUNT OF CONDUIT ON THE ROOF BY TAKING THE SHORTEST PATH FROM THE ARRAY TO THE DC COMBINER BOX. THE DC COMBINER BOXES ARE TO BE LOCATED SUCH THAT CONDUIT RUNS ARE MINIMIZED IN THE PATHWAYS BETWEEN ARRAYS.
 8. TO LIMIT THE HAZARD OF CUTTING LIVE CONDUIT IN VENTING OPERATIONS, DC WIRING SHOULD BE RUN IN METALLIC CONDUIT OR RACEWAYS WHEN LOCATED WITHIN ENCLOSED SPACES IN A BUILDING AND SHOULD BE RUN, TO THE MAXIMUM EXTENT POSSIBLE, ALONG THE BOTTOM OF LOAD-BEARING MEMBERS.

VISTA SOLAR

2885 WINTER ROAD
SANTA CLARA, CA 95098
P: (408) 774-7445
WWW.VISTA-SOLAR.COM

DATE	DRAWN	CHECKED	BY
12/20/18	PL	GP	
01/10/19	GP	TH	
04/23/19	GP	GP	
...

PROJECT NAME
CAMPBELL CHURCH OF CHRIST - PHASE 2

DESCRIPTION
PERMIT SET

REV

REV	DESCRIPTION
0	PERMIT SET
1	FIRST CONSTRUCTION COMMENTS
2	ADD COMMENTS
...	...

CLIENTS INITIAL

DESIGNED BY	CLIENTS INITIAL
DRAWN BY	DATE
CHECKED BY	SCALE
DATE	AS NOTED
PROJECT NAME AND ADDRESS	PILOT DATE
TRIP CODE	ADDITIONAL
SIGNATURE	TRIP CODE
	SHEET SIZE
	24" X 36"

STAMP



E-201

Campbell Church of Christ
1075 W. Campbell Ave. Campbell, CA 95008
170.08 KW

Meter: # 1006911178
 Interconnection Type: Supply Side Connection
 Power Type: 3 Phase, 4W, 208Y/120V
 Main Breaker: PowerPac 1200A, 65KAIC @ 240
 Breaker Brand: SquareD
 Section Bus Rating: 1200A Maximum
 Modules: (493) SunPower 345W Solar Panel
 Inverters: (10) Fronius 15kW String Inverter
 Roof Racking System: Unirac Solar Mount Roll
 Carport Structure Type: Full Cantilever "T" Steel Carport Structure
 Tilt Angle(s): Rooftop 7"; Carports 7"
 Building Department County: City of Campbell

CONNECTION INFORMATION
 SCALE N.T.S.



CAMPBELL CHURCH OF CHRIST LAYOUT
 SCALE N.T.S.



PV LAYOUT AND MOBILIZATION PLAN
 SCALE N.T.S.



PV LAYOUT AND MOBILIZATION PLAN
 SCALE N.T.S.



REV	DESCRIPTION	DATE	DRAWN	CHECKED
0	PERMIT SET	1/20/18	PL	DP
1	ADD COMMENTS	04/20/19	DP	DP
2	ADD COMMENTS	04/20/19	DP	DP
...

PROJECT NAME	CAMPBELL CHURCH OF CHRIST - PHASE 2
ADDRESS	1075 W CAMPBELL AVE CAMPBELL CA 95008

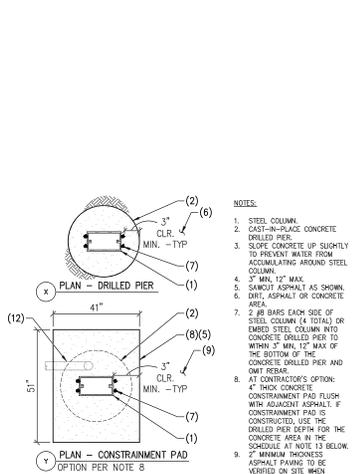
DESIGNER	CLARENCE A.	DATE	1/20/18
DRAWER	PAULINE JAKOBINS	SCALE	AS NOTED
CHECK	TRIPP HOYE	PLOT DATE	04/20/19
SIGNATURE	TRIPP HOYE	SHEET SIZE	24" X 36"



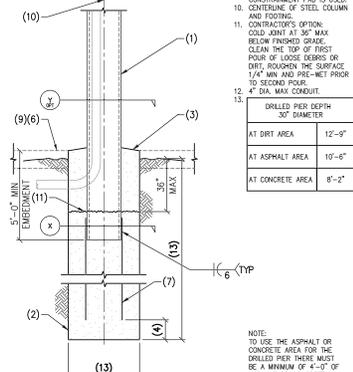
CLIENTS INITIAL

EQUIPMENT CONFIGURATION PART I
 SCALE N.T.S.

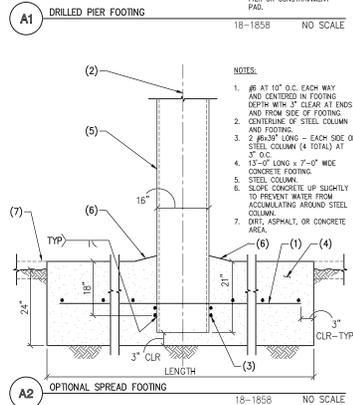
E-701



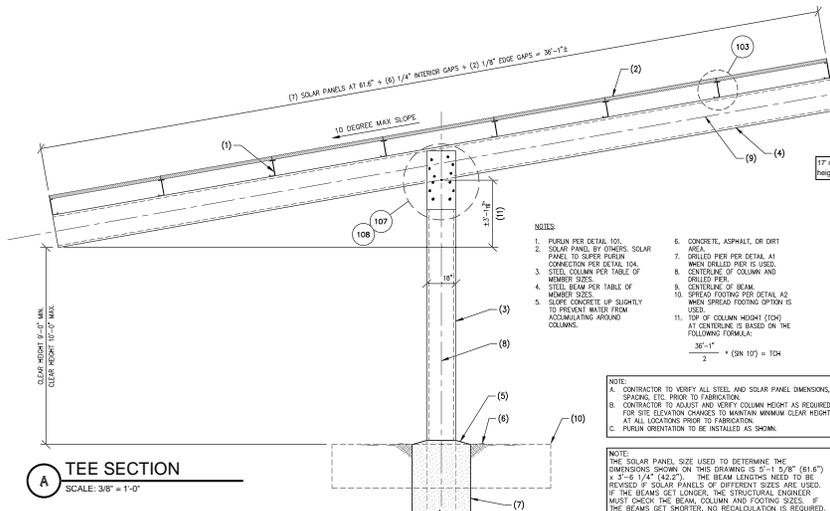
- NOTES:**
1. STEEL COLUMN.
 2. CAST-IN-PLACE CONCRETE DRILLED PIER.
 3. SLOPE CONCRETE UP SLIGHTLY TO PREVENT WATER FROM ACCUMULATING AROUND STEEL COLUMN.
 4. 3" MIN. 12" MAX. SAND/IT ASPHALT AS SHOWN.
 5. DIRT, ASPHALT OR CONCRETE AREA.
 6. 2 #8 BARS EACH SIDE OF STEEL COLUMN (4 TOTAL) OR EMBED STEEL COLUMN INTO CONCRETE DRILLED PIER TO WITHIN 3" MIN. 12" MAX OF THE BOTTOM OF THE CONCRETE DRILLED PIER AND GIRT BEAM.
 7. AT CONTRACTOR'S OPTION: 4" THICK CONCRETE CONSTRAINT PAD FLUSH WITH ADJACENT ASPHALT IF CONSTRAINT PAD IS CONSTRUCTED, USE THE DRILLED PIER DEPTH FOR THE CONCRETE AREA IN THE SCHEDULE AT NOTE 13 BELOW.
 8. 2" MINIMUM THICKNESS ASPHALT FINISH TO BE VERIFIED ON SITE WHEN CONSTRAINT PAD IS USED.
 9. CENTERLINE OF STEEL COLUMN AND FOOTING.
 10. CONTRACTOR'S OPTION: GIRD JOINT AT 36" MAX BELOW FINISHED GRADE. CLEAN THE TOP OF FIRST POUR OF LOOSE DEBRIS OR DIRT, ROUGHEN THE SURFACE 1/4" MIN AND PRE-NET PRIOR TO SECOND POUR.
 11. 4" DIA. MAX CONDUIT.
 12. DRILLED PIER DEPTH 30" DIAMETER.
 13. AT DIRT AREA 12'-9"
 14. AT ASPHALT AREA 10'-6"
 15. AT CONCRETE AREA 8'-2"



- NOTE:**
- TO USE THE ASPHALT OR CONCRETE AREA FOR THE DRILLED PIER THERE MUST BE A MINIMUM OF 4'-0" OF ASPHALT OR CONCRETE OUTSIDE OF THE DRILLED PIER OR CONSTRAINT PAD.



- NOTES:**
1. #8 AT 10" O.C. EACH WAY AND CENTERED IN FOOTING DEPTH WITH 3" CLEAR AT ENDS AND FROM SIDE OF FOOTING.
 2. CENTERLINE OF STEEL COLUMN AND FOOTING.
 3. 2 #8@30" LONG - EACH SIDE OF STEEL COLUMN (4 TOTAL) AT 3" O.C.
 4. 12'-0" LONG x 7'-0" WIDE CONCRETE FOOTING.
 5. STEEL COLUMN.
 6. SLOPE CONCRETE UP SLIGHTLY TO PREVENT WATER FROM ACCUMULATING AROUND STEEL COLUMN.
 7. DIRT, ASPHALT, OR CONCRETE AREA.



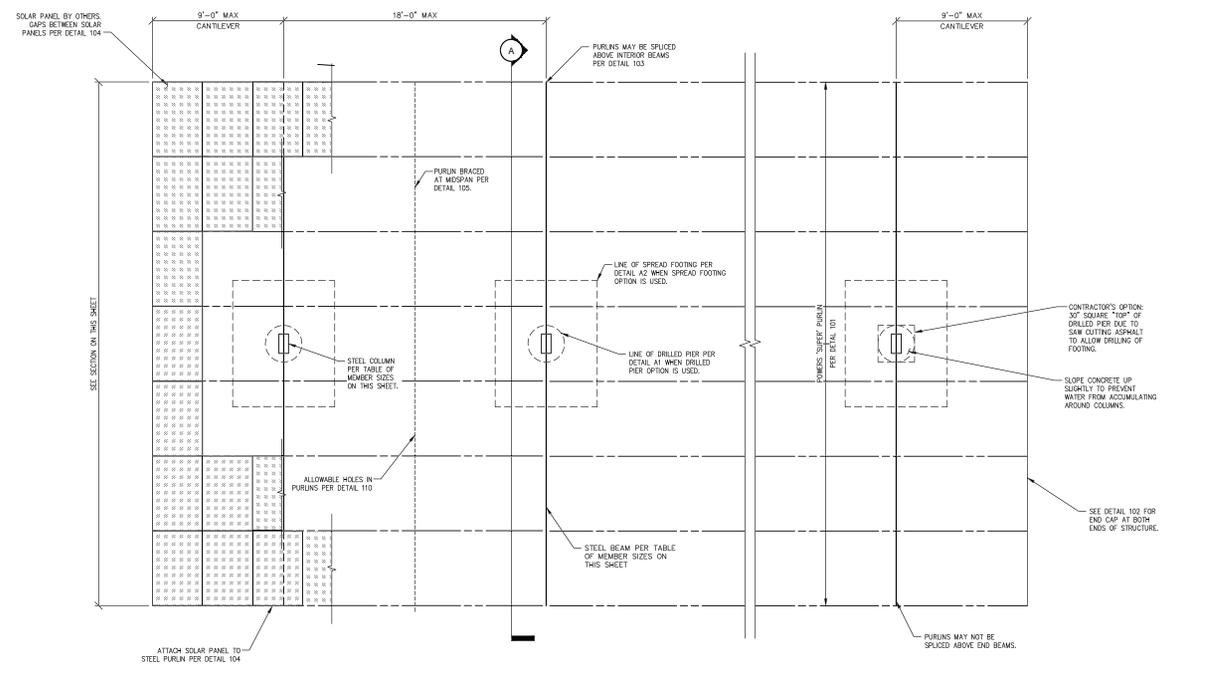
- NOTES:**
1. PURLIN PER DETAIL 101.
 2. SOLAR PANEL BY OTHERS, SOLAR PANEL TO SUPER PURLIN CONNECTION PER DETAIL 104.
 3. STEEL COLUMN PER TABLE OF MEMBER SIZES.
 4. STEEL BEAM PER TABLE OF MEMBER SIZES.
 5. SLOPE CONCRETE UP SLIGHTLY TO PREVENT WATER FROM ACCUMULATING AROUND COLUMN.
 6. CONCRETE, ASPHALT, OR DIRT AREA.
 7. DRILLED PIER PER DETAIL AS SHOWN WHEN DRILLED PIER IS USED.
 8. CENTERLINE OF COLUMN AND DRILLED PIER.
 9. CENTERLINE OF BEAM AND DRILLED PIER.
 10. SPREAD FOOTING PER DETAIL AS SHOWN WHEN SPREAD FOOTING OPTION IS USED.
 11. TOP OF COLUMN HOIST (TCH) AT CENTERLINE IS BASED ON THE FOLLOWING FORMULA:
$$\frac{36'-1"}{2} + (SN 107) = 104$$
- NOTE:**
- A. CONTRACTOR TO VERIFY ALL STEEL AND SOLAR PANEL DIMENSIONS, SPACING, ETC. PRIOR TO FABRICATION.
B. CONTRACTOR TO ADJUST AND VERIFY COLUMN HEIGHT AS REQUIRED FOR SITE ELEVATION CHANGES TO MAINTAIN MINIMUM CLEAR HEIGHT AT ALL LOCATIONS PRIOR TO FABRICATION.
C. PURLIN ORIENTATION TO BE INSTALLED AS SHOWN.
- NOTE:**
- THE SOLAR PANEL SIZE USED TO DETERMINE THE DIMENSIONS SHOWN ON THIS DRAWING IS 5'-1 5/8" (61.6") x 3'-6 1/4" (42.2"). THE BEAM LENGTHS NEED TO BE REVISED IF SOLAR PANELS OF DIFFERENT SIZES ARE USED. IF THE BEAMS GET LONGER, THE STRUCTURAL ENGINEER MUST CHECK THE BEAM, COLUMN AND FOOTING SIZES. IF THE BEAMS GET SHORTER, NO RECALCULATION IS REQUIRED.

TABLE OF MEMBER SIZES
(NO SCALE)

BEAM SIZE

COLUMN SIZE

NOTE: NO WELD IS REQUIRED AT END OF COLUMN WHERE THE COLUMN CONNECTS WITH THE BEAM AND NO WELD IS REQUIRED AT THE END OF THE BEAM WHERE THE PURLIN CLIP OCCURS.



THESE DRAWINGS/CALCULATIONS ARE CONSIDERED PRELIMINARY - NOT FOR CONSTRUCTION OR RECORDS, UNLESS THE STRUCTURAL ENGINEER OF RECORD'S SEAL IS APPLIED WITH WRITTEN SIGNATURE.

1963 - 2018

55 YEARS OF EXCELLENCE

CARUSO - TURLEY - SCOTT

SEAL

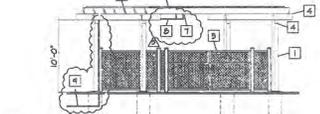
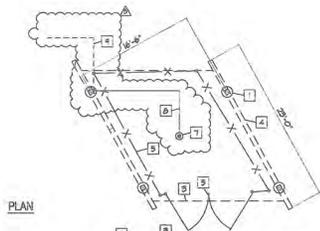
CARUSO TURLEY SCOTT INC.
 consulting structural engineers
 1215 W. Rio Salado Pkwy
 Suite 200
 Tempe, Arizona 85281
 (480) 714-1700
 (480) 714-1701 FAX
 www.ctsaz.com

STEEL CANOPY STRUCTURE
 CAMPBELL CHURCH PHASE II
 1075 W CAMPBELL AVE
 CAMPBELL, CA 95008

PLAN AND SECTIONS

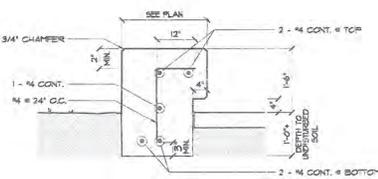
REVISIONS:

JOB NUMBER: **18-1858**
 DRAWN BY: **ELG** ENGINEER
 CHECKED BY: **ATB**
 (PROVIDED) SCALE: **TET AS NOTED**
 DATE: **12.06.2018**
 SHEET: **S2**

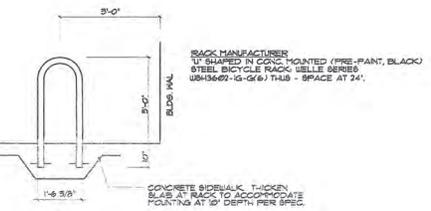


- WEST (FRONT) ELEVATION**
- 1 6x6 REDWOOD POST (TYP. CP 4) 18" DIA. X 3'-6" DEEP CONC. FOOTING.
 - 2 REDWOOD TRUSS (2x2 & 2x4 O.C.)
 - 3 24 GA. CORRUGATED STEEL ROOF PANEL FASTENED W/ 1/2" TOR SCREWS INTO EACH TRUSS. COAT W/ EP CO.
 - 4 6x6 REDWOOD BEAM.
 - 5 EXISTING TRASH ENCLOSURE.
 - 6 6x6 REDWOOD POST (TYP. CP 4) 18" DIA. X 3'-6" DEEP CONC. FOOTING.
 - 7 1" SPRINKLER COVERING TO MATCH EXISTING PROTECTIVE FILM FROM TRASH ENCLOSURE. MOUNTED TO TRUSS JOISTS AT 24" O.C. (REFER TO SPRINKLER SUBMITTAL 06-2113 OR 06-2115).
 - 8 UPRIGHT SPRINKLER HEAD.
 - 9 1" SPRINKLER PIPE (PVC) WITH HANGERS UNDERWOOD CONNECTION TO EXISTING WATER SERVICE AT FENCE LINE.

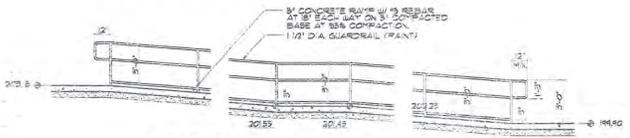
TRASH ENCLOSURE
SCALE: 1/8" = 1'-0"



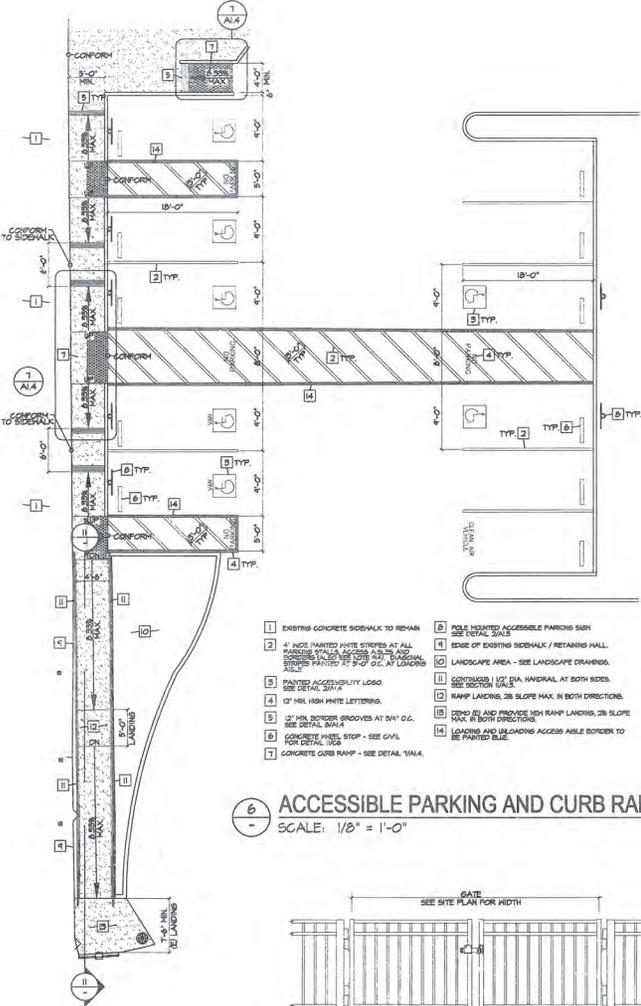
DETAIL - CONCRETE BENCH
SCALE: 3/4" = 1'-0"



DETAIL - BICYCLE RACK
SCALE: 1/2" = 1'-0"

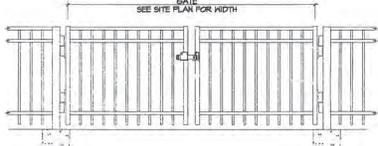


RAMP GUARDRAIL
SCALE: 1/4" = 1'-0"

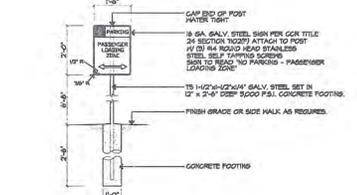


- 1 EXISTING CONCRETE SIDEWALK TO REPAIR.
- 2 4" HIGH WHITE PAINT STRIPES AT ALL EDGES TO INDICATE ACCESSIBLE SIDEWALK STRIPES PAINTED AT 2'-0" O.C. AT LANDINGS.
- 3 PAINTED ACCESSIBILITY LOGO. SEE DETAIL 2014.
- 4 12" MIN. HIGH WHITE LETTERING.
- 5 12" MIN. BORDER GROOVES AT 24" O.C. SEE DETAIL 2014.
- 6 CONCRETE WHEEL STOP - SEE CIVIL FOR DETAIL 1024.
- 7 CONCRETE CURB RAMP - SEE DETAIL 2014.
- 8 6x6 HEAVY DUTY ACCESSIBLE PARKING SIGN SEE DETAIL 2013.
- 9 EDGE OF EXISTING SIDEWALK / RETAINING WALL.
- 10 LANDSCAPE AREA - SEE LANDSCAPE DRAWINGS.
- 11 CONTINUOUS 1/2" DIA. HANDRAIL AT BOTH SIDES. SEE DETAIL 2014.
- 12 RAMP LANDINGS, 2% SLOPE MAX. IN BOTH DIRECTIONS.
- 13 2x4x8x16x24 GALV. STEEL SET IN 12" X 2'-0" DEEP 3000 PSI CONCRETE FOOTING.
- 14 LANDINGS AND DELOADING ACCESSIBLE BORDER TO BE PAINTED BLUE.

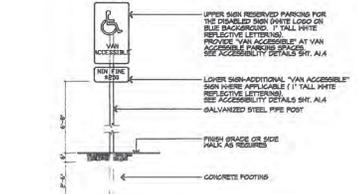
ACCESSIBLE PARKING AND CURB RAMPS
SCALE: 1/8" = 1'-0"



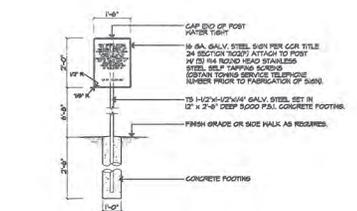
SIDEWALK / GUARDRAIL (WEST SIDE)
SCALE: 1/2" = 1'-0"



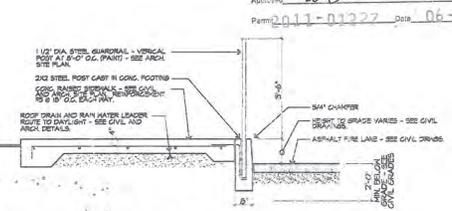
PASSENGER LOADING ZONE
NOT TO SCALE



POLE MOUNTED SIGN
NOT TO SCALE



SITE ENTRY SIGN (TOW-AWAY)
NOT TO SCALE



SIDEWALK / GUARDRAIL (WEST SIDE)
SCALE: 1/2" = 1'-0"

CAMPBELL CHRISTIAN SCHOOLS

1075 WEST CAMPBELL AVENUE
CAMPBELL, CALIFORNIA 95008

WILLIAMS GROUP ARCHITECTS

111 WEST ST. JOHN STREET
SUITE 950
SAN JOSE, CALIFORNIA 95113
408.298.7800 FAX 408.298.4245

NO.	DESCRIPTION	DATE
1	BUILDING SUBMITTAL	02.09.17
2	BUILDING DEPARTMENT COMMENTS	03.14.17
3	PLAN CHECK COMMENTS #2	03.21.17
4		
5		
6		
7		
8		
9		
10		
11		
12		

DRAWN BY: [Signature]
SCALE: AS NOTED
PROJECT NUMBER: 1030
ENGINEER/ARCHITECT/DATE: SITE PLAN

DEVEL CONSTRUCTION, INC.

1500 Galois Pkwy #107
San Jose, CA 95128
Telephone: (408) 934-4400
Fax: (408) 934-4400
Website: www.devel.com

City of Campbell
Building Inspectors Division
PLAN APPROVED

This plan with attached documents has been reviewed for compliance with the City of Campbell and State of California Codes. This plan shall not be changed or modified without notification from the Building Official. Work performed related to this plan shall be done in accordance with this plan and all applicable codes. This approval not be valid to permit or subdivide as to be an approval of a violation of any City or State Law.

Approved: *REB*
Permit 2017-01227 Date 06-20-17

VIEW ACCEPTANCE

SITE DETAILS 10 2017

WEST COAST CODE CONSULTANTS

A 1.3