

DEMOLITION AND RENOVATION NOTES

1. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO MODIFY THE FACILITY FOR ACCESSIBILITY AND PV CARPORTS IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS SUCH THAT THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY ENFORCING AGENCY OR DSA PRIOR TO PROCEEDING WITH THE WORK. ADDITIONAL CHANGES WILL BE PROCESSED BY C.C.D. FOR DSA PROJECTS
2. VERIFY ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO, MECHANICAL, PLUMBING, ELECTRICAL, PNEUMATIC TUBE, AND ALL OTHER EXISTING SYSTEMS. MAKE NECESSARY PROVISIONS TO MAINTAIN THE INTEGRITY OF EXISTING SYSTEMS PRIOR TO THE COMMENCEMENT OF DEMOLITION.
3. REFER TO DOCUMENTS PREPARED BY CONSULTING ENGINEERS FOR INFORMATION REGARDING THE REMOVAL OF EXISTING SYSTEMS.
4. COMPLY WITH ANSI A10.6 "SAFETY REQUIREMENTS FOR DEMOLITION" PUBLISHED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE.

FIRE AND LIFE SAFETY NOTES

1. PROVIDE AN APPROPRIATE NUMBER OF PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 4A-60BC FOR PROTECTION DURING CONSTRUCTION.
2. THE CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY PEDESTRIAN PROTECTION AS REQUIRED BY LOCAL CODE AND SPECIFICATION.
3. DO NOT BLOCK EXITS AT ANY TIME.
4. THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRICAL CODE, STANDARDS AS DEFINED IN CHAPTER 35 CALIFORNIA BUILDING CODE AND APPLICABLE NFPA STANDARDS.
5. THE CONTRACTOR SHALL PROVIDE PROTECTION COMPLYING WITH TITLE 8, CCR, DURING WELDING. FURTHER PROTECTION SHALL BE PROVIDED TO ANY OCCUPANTS AND THE PUBLIC WITH PORTABLE SOLID VISION BARRICADES AROUND LOCATION WHERE WELDING IS BEING PERFORMED. PROVIDE SIGNS WARNING AGAINST LOOKING AT WELDING WITHOUT PROPER EYE PROTECTION OR EQUIVALENT.

CALGREEN NOTES

ELECTRIC VEHICLE PARKING

1. EV PARKING STALLS SERVICING FUTURE EV CHARGING STATIONS SHALL BE INCLUDED TO PARKING FACILITY WHEN A NEW CONSTRUCTED BUILDING IS PROPOSED.
2. WHERE EV ADA PARKING IS REQUIRED, REFER TO CBC TABLE 11B-228.3.2.1 FOR QUANTITY REQUIREMENTS.
3. FUTURE EV PARKING SPACES QUALIFY AS DESIGNATED PARKING FOR CLEAN AIR VEHICLES AND SHALL BE MARKED WITH THE FOLLOWING CHARACTERS SUCH THAT THE LOWER EDGE OF THE LAST WORD ALIGNS WITH THE END OF THE STALL STRIPING AND IS VISIBLE BENEATH A PARKED VEHICLE.

CLEAN AIR/
VANPOOL/EV
4. EV ADA PARKING SPACES SHALL CONFORM TO THE REQUIREMENTS LISTED IN CBC SECTION 11B-812.

EV PARKING SPACES REQUIRED PER FACILITY

# OF STALLS	MIN EV REQ'D
0-9	0
10-25	1
26-50	2
51-75	4
76-100	5
101-150	7
151-200	10
201 +	6% OF TOTAL

STRUCTURAL NOTES

1. PROVIDE ALL TEMPORARY SHORING AND BRACING AS REQUIRED FOR ALL DEMOLITION AND NEW WORK AS REQUIRED. ASSUME FULL RESPONSIBILITY FOR REPAIR AND/OR REPLACEMENT OF DAMAGED AREAS, INCLUDING BUT NOT NECESSARILY LIMITED TO, STRUCTURE, FINISHES, EQUIPMENT AND FURNISHINGS IF DAMAGE OF ANY KIND OCCURS AS RESULT OF IMPROPER OR INADEQUATE SHORING OR BRACING.
2. UNLESS SPECIFICALLY DETAILED ON STRUCTURAL DRAWINGS, DO NOT CUT OR OTHERWISE MODIFY STRUCTURAL ELEMENTS WITHOUT DIRECTION FROM ARCHITECT. PROVIDE REINFORCEMENT, SUPPORT, TEMPORARY SHORING SATISFACTORY TO THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO CUTTING INTO STRUCTURAL PORTIONS OF ANY STRUCTURAL ELEMENT. PROVIDE ALL CUTTING OF STRUCTURAL ELEMENTS, AND ALL ASSOCIATED REPAIR OR REFINISHING OF ADJACENT SURFACES AT NO ADDITIONAL EXPENSE TO THE OWNER.
3. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWER DRIVEN PINS IN EXISTING NON-PRE-STRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING EXISTING REINFORCING BARS. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWER DRIVEN PINS IN EXISTING PRE-STRESSED REINFORCED CONCRETE (POST OR PRE TENSIONED), USE A NON-DESTRUCTIVE METHOD TO LOCATE TENDONS PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
4. PROVIDE TEMPORARY SHORING FOR EXCAVATIONS THAT REMOVE THE LATERAL SUPPORT FROM AN EXISTING BUILDING OR A PUBLIC WAY. PRIOR TO ISSUANCE OF PERMIT, OBTAIN APPROVAL FROM THE ENFORCING AGENCY FOR EXCAVATIONS ADJACENT TO A PUBLIC WAY.
5. CONTRACTOR SHALL OBTAIN NECESSARY PERMITS, INCLUDING CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, PRIOR TO ISSUANCE OF A BUILDING OR GRADING PERMIT FOR ALL TRENCHING.

EQUIPMENT ANCHORAGE NOTES

1. ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13.26, AND 30:
 1. ALL PERMANENT EQUIPMENT AND COMPONENTS
 2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER
 3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.
2. THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHEMENT NEEDED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT.
 - A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT
 - B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL
3. FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.
4. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:
5. PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.8, AND 2019 CBC SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.
6. THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. SMACTA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.
7. MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E)

MP MD PP E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

MP MD PP E OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM#) # _____.

DSA STAMP

SUNPOWER™

1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE OR USE WITHOUT AUTHORIZATION IS PROHIBITED. CONTACT: 510-540-0550



1033 Palmer Drive, Ste 107, Colton, CA 92703
CURRENTDESIGNGROUP.COM
707.782.2800

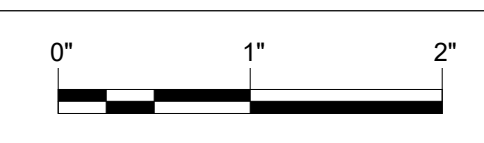


SAN DIEGO UNIFIED SCHOOL DISTRICT
LANGUAGE ACADEMY
4981 64TH ST., SAN DIEGO, CA 92115

GENERAL NOTES

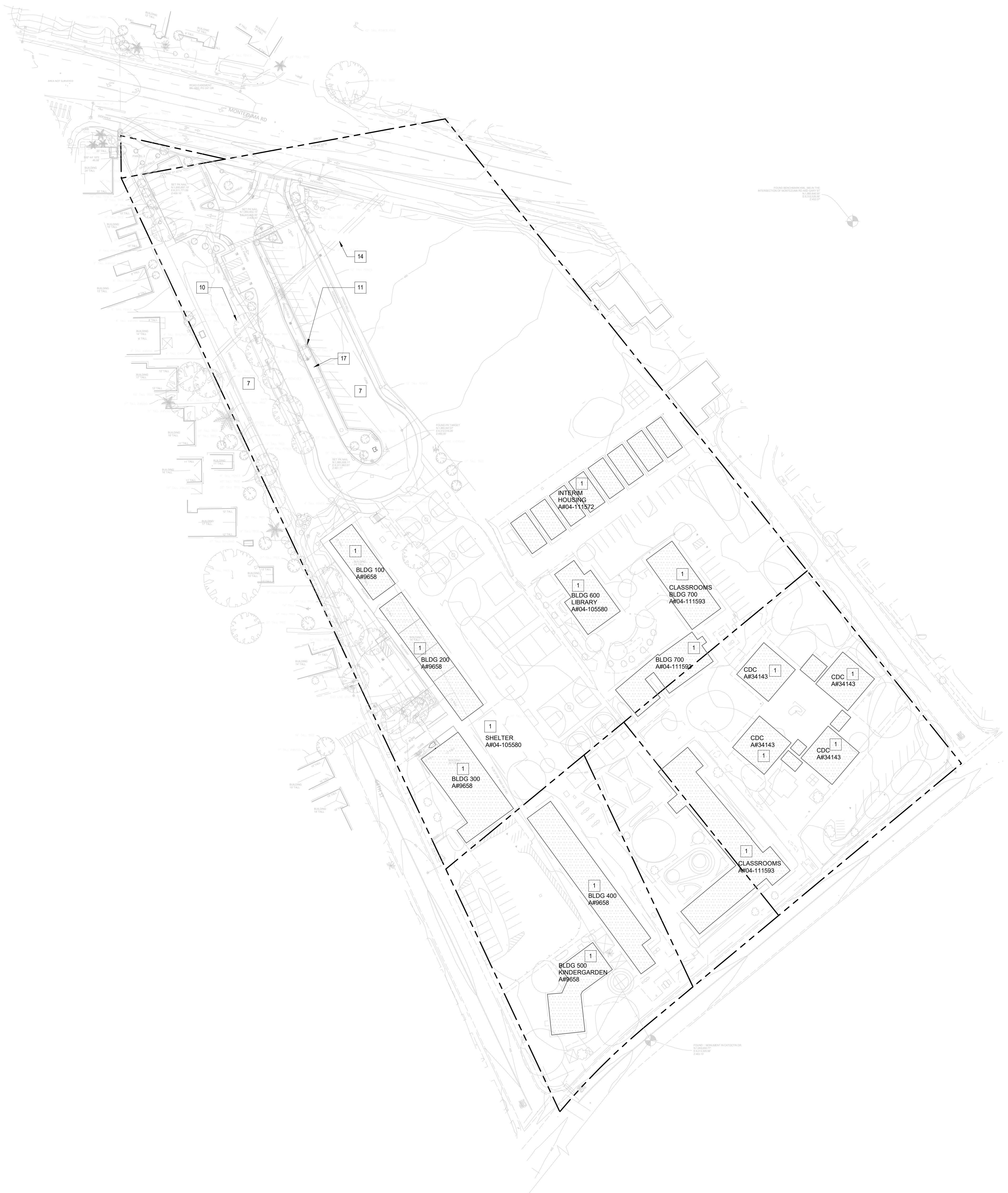
REVISION SCHEDULE	No.	Description	Date	DB	CR
RECORD DRAWING SET			7/11/2022		

OPPORTUNITY **0001869149**
PROJECT **12107**
DATE **05/18/2020**
DRAWN BY **Author**



ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

SHEET **A011**
COPYRIGHT 2016 © SUNPOWER.COM



LEGEND

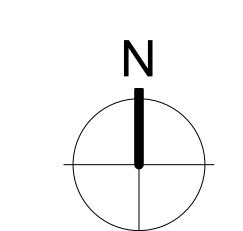
	PROPERTY LINE
	SETBACK LINE
	(E) BUILDING (N.I.C.)
	KEYNOTE

- ### SHEET NOTES
1. LOCATION OF UTILITIES ARE APPROXIMATE AND ARE BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR BEARS ALL RESPONSIBILITY FOR VERIFYING ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND LIN RUNS IN THE FIELD PRIOR TO CONSTRUCTION. ANY DAMAGE TO UTILITIES THAT ARE TO REMAIN SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY UTILITIES NOT SHOWN ON PLANS.
 2. ALL PROPOSED AND FINISH GRADES ARE BASED ON INFORMATION PROVIDED BY THE OWNER'S SURVEY. ANY DISCREPANCIES IN ACTUAL FIELD MEASUREMENTS ARE TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.

- ### KEYNOTES
- 1 EXISTING BUILDING
 - 7 EXISTING AC PAVING
 - 10 EXISTING TREE, TYP.
 - 11 EXISTING LIGHT FIXTURE, TYP.
 - 14 EXISTING STORM DRAIN EASEMENT BK 3918, PG305 OR
 - 17 EXISTING BIOSWALE

EXISTING PARKING COUNT

LOT NUMBER	TOTAL PARKING SPACES	TOTAL ADA SPACES
1	35	3

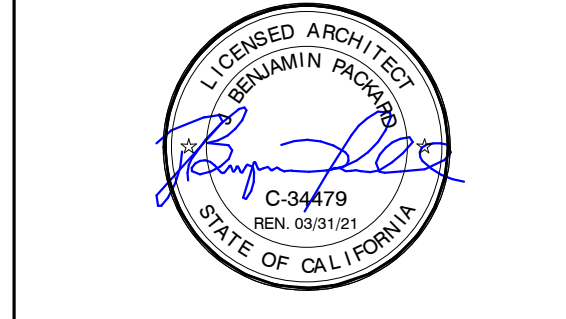


EXISTING SITE PLAN 1" = 50'-0" 1

DSA STAMP

SUNPOWER™
 1414 Harbour Way South
 Richmond, CA 94804 USA
 (510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE OR USE WITHOUT AUTHORIZATION OF SUNPOWER CORPORATION IS STRICTLY PROHIBITED.



SAN DIEGO UNIFIED SCHOOL DISTRICT
 LANGUAGE ACADEMY
 4981 64TH ST., SAN DIEGO, CA 92115

EXISTING SITE PLAN

REVISION SCHEDULE

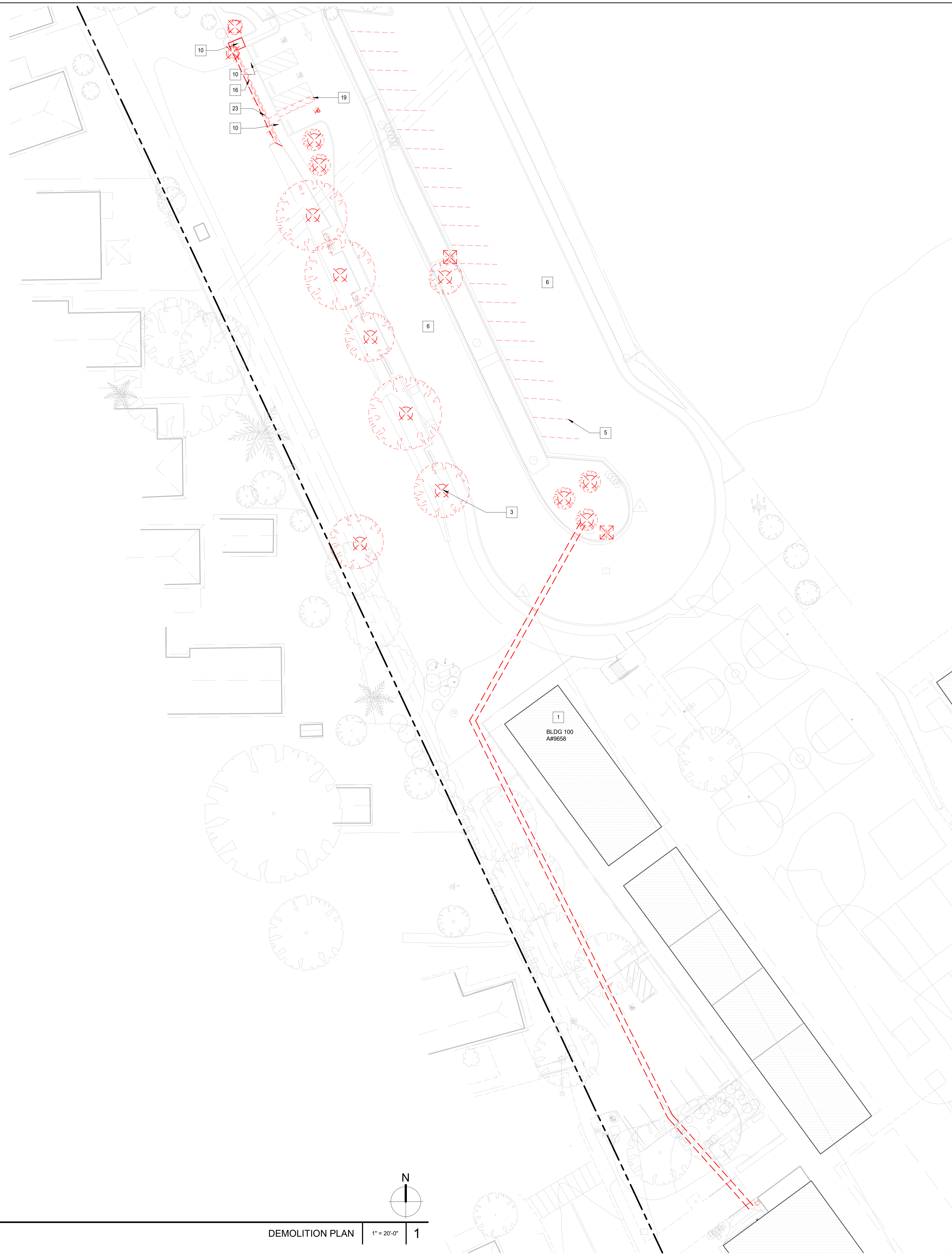
No.	Date	DB	CR
1	7/11/2022		
RECORD DRAWING SET			

OPPORTUNITY 0001869149
 PROJECT 12107
 DATE 05/18/2020
 DRAWN BY DR

ORIGINAL SHEET SIZE 30 x 42
 IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

SHEET **A020**

COPYRIGHT 2018 © SUNPOWER.COM



DEMOLITION PLAN 1" = 20'-0" 1

LEGEND

- ELEMENTS SCHEDULED TO BE DEMOLISHED
- EXISTING TREE SCHEDULED TO BE REMOVED OR TRIMMED
- EXISTING LIGHT POLE SCHEDULED TO BE REMOVED
- KEYNOTE
- UNDERGROUND UTILITY LINE

DEMOLITION NOTES

1. CONDUIT RUNS AS SHOWN IS APPROXIMATE. FIELD VERIFY LOCATION AND ROUTE OF ALL EXISTING UTILITIES, INCLUDING CONDUIT RUNS AS REQUIRED PRIOR TO START WORK.
2. REMOVED LIGHTING FIXTURES, LAMPS, AND POLES SHALL BE LEGALLY DISPOSED OF AS DIRECTED BY OWNER'S REPRESENTATIVE. STOCKPILE ON SITE (COORDINATE LOCATION WITH OWNER).
3. REMOVE PARKING LOT LIGHTING CONDUCTORS ASSOCIATED WITH DEMOLITION WORK THAT ARE NOT REQUIRED TO MAINTAIN CIRCUIT CONTINUITY TO EXISTING LIGHTING THAT IS TO REMAIN. UNDERGROUND CONDUIT NO LONGER REQUIRED MAY BE ABANDONED IN PLACE. CAP ABANDONED CONDUIT.
4. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UNDERGROUND EXTERIOR LIGHTING CIRCUITRY PRIOR TO STARTING WORK. PROVIDE IN-GRADE TRAFFIC RATED BOXES AT LOCATIONS OF DEMOLISHED LIGHT POLES IF REQUIRED TO MAINTAIN CONTINUITY TO ANY EXISTING LIGHTING FIXTURES OUTSIDE OF THE ARRAYS. COORDINATE NEW ARRAY LIGHTING REQUIREMENTS WITH EXISTING PARKING LOT LIGHTING INFRASTRUCTURE. NEW ARRAY LIGHTING MUST BE TIED INTO EXISTING CIRCUITS. PROVIDE AS-BUILT DRAWINGS SHOWING THE REVISED CIRCUITING AND BOX LOCATIONS TO OWNER PRIOR TO CLOSE-OUT.
5. WHERE LIGHT POLES ARE REMOVED, REMOVE CONCRETE PIER BELOW FINISH GRADE TO MATCH ASPHALT THICKNESS. PATCH AND REPAIR THE AREA OF DEMOLITION WITH NEW ASPHALT TO MATCH EXISTING.
6. EXISTING PARKING STRIPING AFFECTED BY NEW ADA SPACES SHALL BE PAINTED BLACK.
7. COORDINATE TREE TRIMMING AND / OR REMOVAL WITH OWNER'S REPRESENTATIVE AND ARBORIST AS REQUIRED PRIOR TO COMMENCEMENT OF WORK.

SHEET NOTES

1. ALL ITEMS REFERENCED ARE EXISTING, UNLESS NOTED OTHERWISE.
 2. REFER TO GENERAL NOTES AND DEMOLITION NOTES ON SHEET A001 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
 3. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO COMMENCING WITH WORK.
 4. COORDINATE ALL DEMOLITION WORK WITH ELECTRICAL. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING (E) UTILITIES.
- TREES DEMO: 12 LIGHT POLES DEMO: 2

KEYNOTES

- 1 EXISTING STRUCTURE TO REMAIN. PROTECT AS REQUIRED DURING CONSTRUCTION.
- 3 EXISTING TREE TO BE REMOVED. TYP. CONTRACTOR TO GRIND STUMP 18" BELOW GRADE. TOP DRESS LANDSCAPE PER LANDSCAPE REQUIREMENTS
- 5 EXISTING PAINTED PARKING STALL STRIPING TO BE REMOVED. TYP.
- 6 GRIND EXISTING ASPHALT PAVING PER PLAN. GRADE AS REQUIRED AND PREPARE SURFACE/SUBSURFACE TO RECEIVE NEW WORK.
- 10 EXISTING CONCRETE PAVING TO BE REMOVED AS REQUIRED TO ACCOMMODATE NEW WORK.
- 16 EXISTING CONCRETE CURB TO BE REMOVED. CONTRACTOR SHALL FIELD VERIFY SCOPE OF WORK PRIOR TO DEMOLITION.
- 19 EXISTING ACCESSIBLE STALL STRIPING TO BE REMOVED.
- 23 EXISTING FENCE TO BE REMOVED AND RELOCATED - SEE A300 FOR LOCATION

DSA STAMP

SUNPOWER™
 1414 Harbour Way South
 Richmond, CA 94804 USA
 (510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE OR USE WITHOUT AUTHORIZATION OF SUNPOWER CORPORATION IS STRICTLY PROHIBITED.

CURRENT
 DESIGN GROUP

103 Palmer Drive, Suite #107, Carlsbad, CA 92008
 760.439.0000
 101762.2800

REGISTERED ARCHITECT
 SEANAM PRABHU
 C-34479
 (REN. 03/12)
 STATE OF CALIFORNIA

SAN DIEGO UNIFIED SCHOOL DISTRICT
 LANGUAGE ACADEMY
 4981 64TH ST., SAN DIEGO, CA 92115

REVISION SCHEDULE

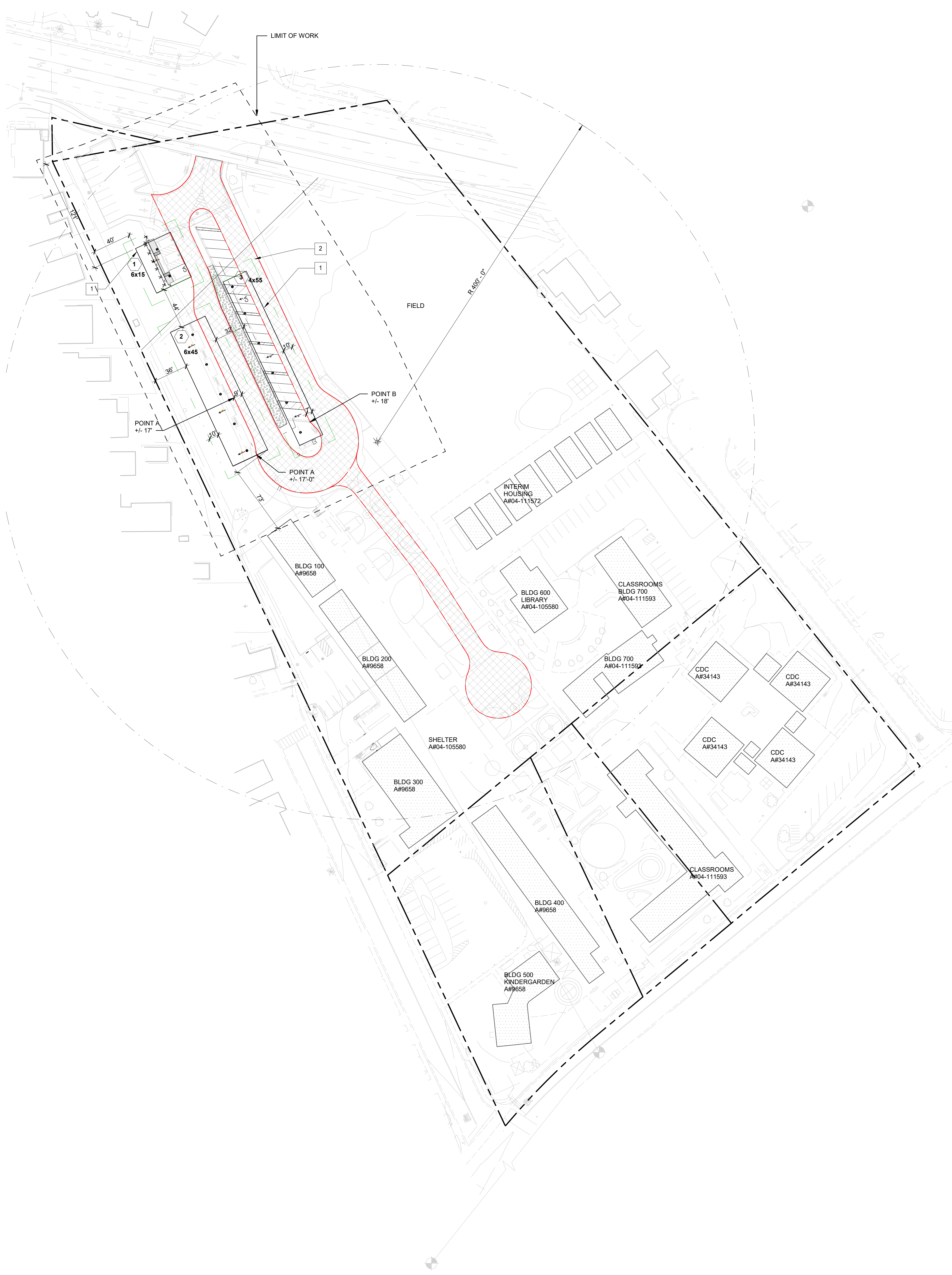
No.	Date	Description
1	7/11/2022	RECORD DRAWING SET

OPPORTUNITY	0001869149
PROJECT	12107
DATE	05/18/2020
DRAWN BY	Author

ORIGINAL SHEET SIZE 30 x 42
 IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

SHEET **A030**

COPYRIGHT 2016 © SUNPOWER.COM



FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the [DSA Forms](#) or [DSA Publications](#) webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgment by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: *Fire Flow for Buildings*.

PROJECT INFORMATION

School District/Owner:	SAN DIEGO UNIFIED SCHOOL DISTRICT
Project Name/School:	LANGUAGE ACADEMY
Project Address:	4961 64TH ST, SAN DIEGO, CA 92115

FIRE & LIFE SAFETY INFORMATION

1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Refer to the following website for FHSZ locations: http://open.fire.ca.gov/FHSZ/	Moderate <input type="checkbox"/>	High <input type="checkbox"/> Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)	WIFA <input type="checkbox"/>	

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED			
	Yes	No	N/A	N/R
4. Emergency vehicle access roadways do not meet CFC requirements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4a. Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Fire Hydrants: Number and spacing does not meet CFC requirements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5a. Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7a. Acceptable Alternate: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

School District Acceptance of Acceptable Design Alternates
By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

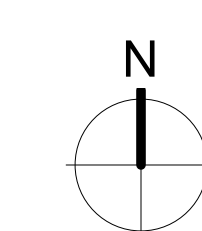
Accepted by: _____ Title: _____
Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name: _____
LFA Review Official: _____
Title: _____ Work Phone: _____
Work Email: _____
LFA Reviewer's Signature: _____ Date: _____

PROJECT SCOPE OF WORK

- INSTALLATION OF PV SHADE STRUCTURES, ASSOCIATED FOUNDATIONS, ERECTION OF STRUCTURAL STEEL AND SUPPORTING STRUCTURE AND ASSOCIATED GROUND MOUNTING EQUIPMENT FOR PV PANELS
- INSTALLATION OF ELECTRICAL EQUIPMENT, CONDUIT, CONDUCTORS AND ASSOCIATED PV WIRING.
- INSTALLATION OF EQUIPMENT PADS.
- INTERCONNECTION WITH FACILITY'S ELECTRICAL SYSTEM.
- DEMOLITION AND REMOVAL OF TREES AND LIGHT POLES, LANDSCAPE, IRRIGATION REMOVAL AND REPLACEMENT, WHERE OCCURS
- DEFERRED ITEMS: NONE



LEGEND

	EXISTING FIRE APPARATUS ACCESS ROAD		PROPOSED ARRAY
	ASSUMED PROPERTY LINE		(E) BUILDING (N.I.C.)
	PROPERTY LINE		(E) BIOSWALE
	(N) ARRAY PER TABLE BELOW		KEYNOTE
	FIRE HYDRANT		

ARRAY CODE ANALYSIS TABLE (PER TABLE 406.5.4)

AGGREGATE	ARRAY #	OCC. TYPE	CONST. TYPE	AREA	ALLOWABLE AREA	SPRINKLER	TILT
1	1	S-2	IIB	2143.29 SF	< 14,500 SF	No	10°
2	2	S-2	IIB	6406.07 SF	< 14,500 SF	No	10°
3	3	S-2	IIB	5214.99 SF	< 14,500 SF	No	10°

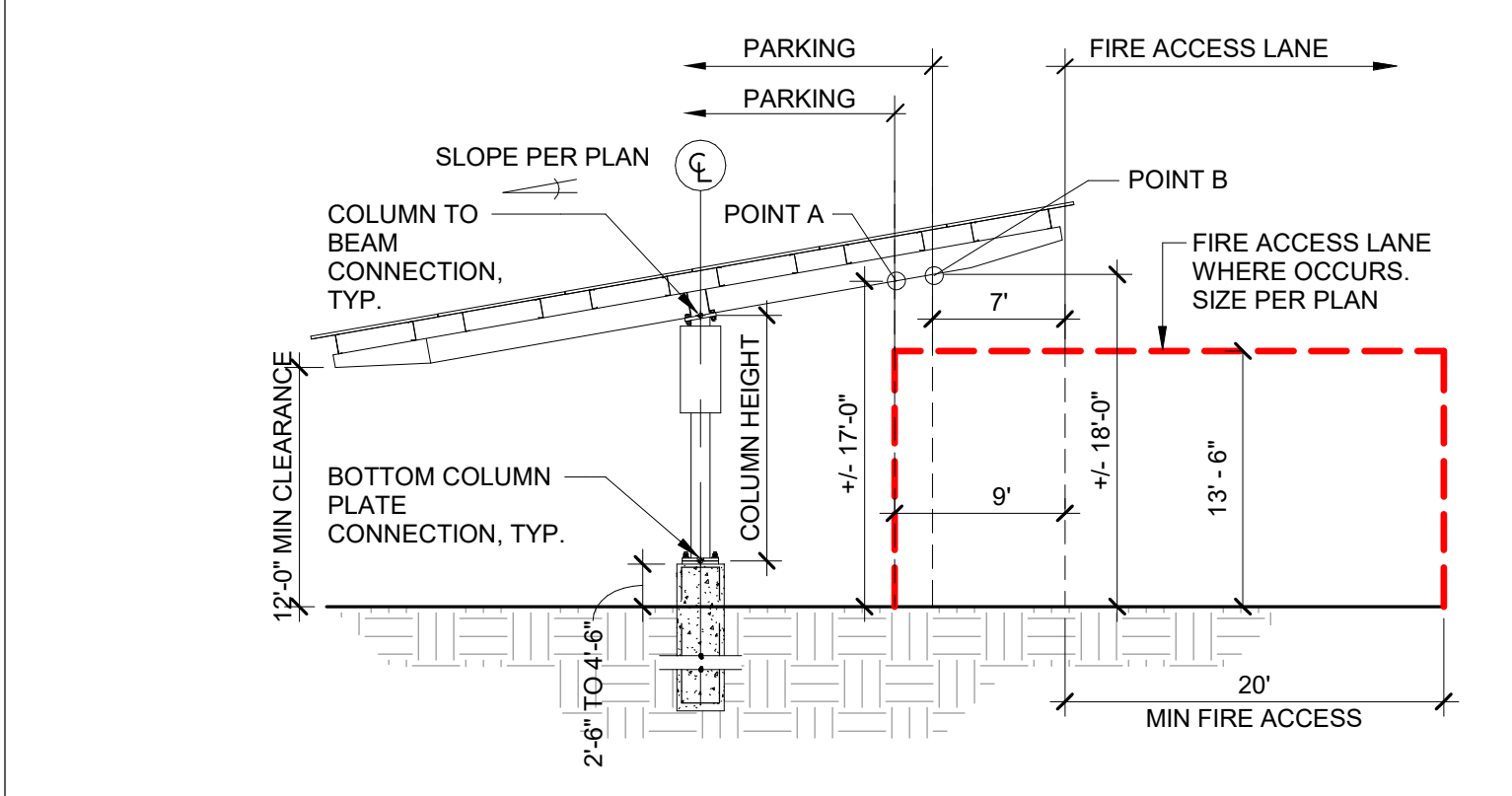
SHEET NOTES

- COMPLIANCE WITH CFC, SECTION 33 (FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION) AND CBC, SECTION 33 (SAFEGUARDS DURING CONSTRUCTION) SHALL BE ENFORCED.
- PER CFC, SECTION 503.1.1: APPROVED FIRE APPARATUS ACCESS ROADS SHALL BE PROVIDED FOR EVERY FACILITY, BUILDING OR PORTION OF A BUILDING HEREAFTER CONSTRUCTED OR MOVED INTO OR WITHIN THE JURISDICTION. THE FIRE APPARATUS ACCESS ROAD SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION AND SHALL EXTEND TO WITHIN 150 FEET OF ALL PORTIONS OF THE FACILITY AND ALL PORTIONS OF THE EXTERIOR WALLS OF THE FIRST STORY OF THE BUILDING AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE BUILDING OR FACILITY.
- PER CFC, SECTION 503.2.1: FIRE APPARATUS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN (20' - 0"), EXCLUSIVE OF SHOULDERS, EXCEPT FOR APPROVED SECURITY GATES IN ACCORDANCE WITH SECTION 503.6, AND AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN (13' - 6").
- SOLAR SUPPORT STRUCTURES SHALL BE INSTALLED SUCH THAT THEY DO NOT AFFECT THE APPROVED FIRE APPARATUS ACCESS ROADS. SURVEYOR AND FOUNDATION INSTALLER SHALL COORDINATE COLUMN PLACEMENTS WITH SUNPOWER.
- ARROWS POINT TO THE LOW SIDE OF THE SOLAR SUPPORT STRUCTURE. STRUCTURES WITHOUT ARROWS SHALL HAVE 0° TILT.
- FOR COLUMN TO COLUMN DISTANCE, REFER TO STRUCTURAL DRAWINGS.
- PARKING STALL CLEARANCE HEIGHT SHALL BE (12' - 0") MINIMUM.

KEYNOTES

- NEW PV CANOPY WITH CLEARANCES PER FIRE ACCESS LANE CLEARANCE DIAGRAM. SEE SHEET NOTE #3 FOR MORE INFORMATION
- EXISTING FIRE ACCESS LANE PER A# 04-106222. REFER TO FIRE APPARATUS TURNING DIAGRAM FOR MORE INFORMATION.

FIRE ACCESS LANE CLEARANCE DIAGRAM



SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THE DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE OR USE WITHOUT AUTHORIZATION OF SUNPOWER IS STRICTLY FORBIDDEN.

CURRENT DESIGN GROUP
1033 Palmer Drive, Suite #107, Carlsbad, CA 92008
CURRENTDESIGNGROUP.COM
761.732.2828

REGISTERED ARCHITECT
Shawn P. Pugh
C-3479
EXPIRES 03/31/25
STATE OF CALIFORNIA

SAN DIEGO UNIFIED SCHOOLS

SAN DIEGO UNIFIED SCHOOL DISTRICT
LANGUAGE ACADEMY
4961 64TH ST, SAN DIEGO, CA 92115

FIRE ACCESS PLAN

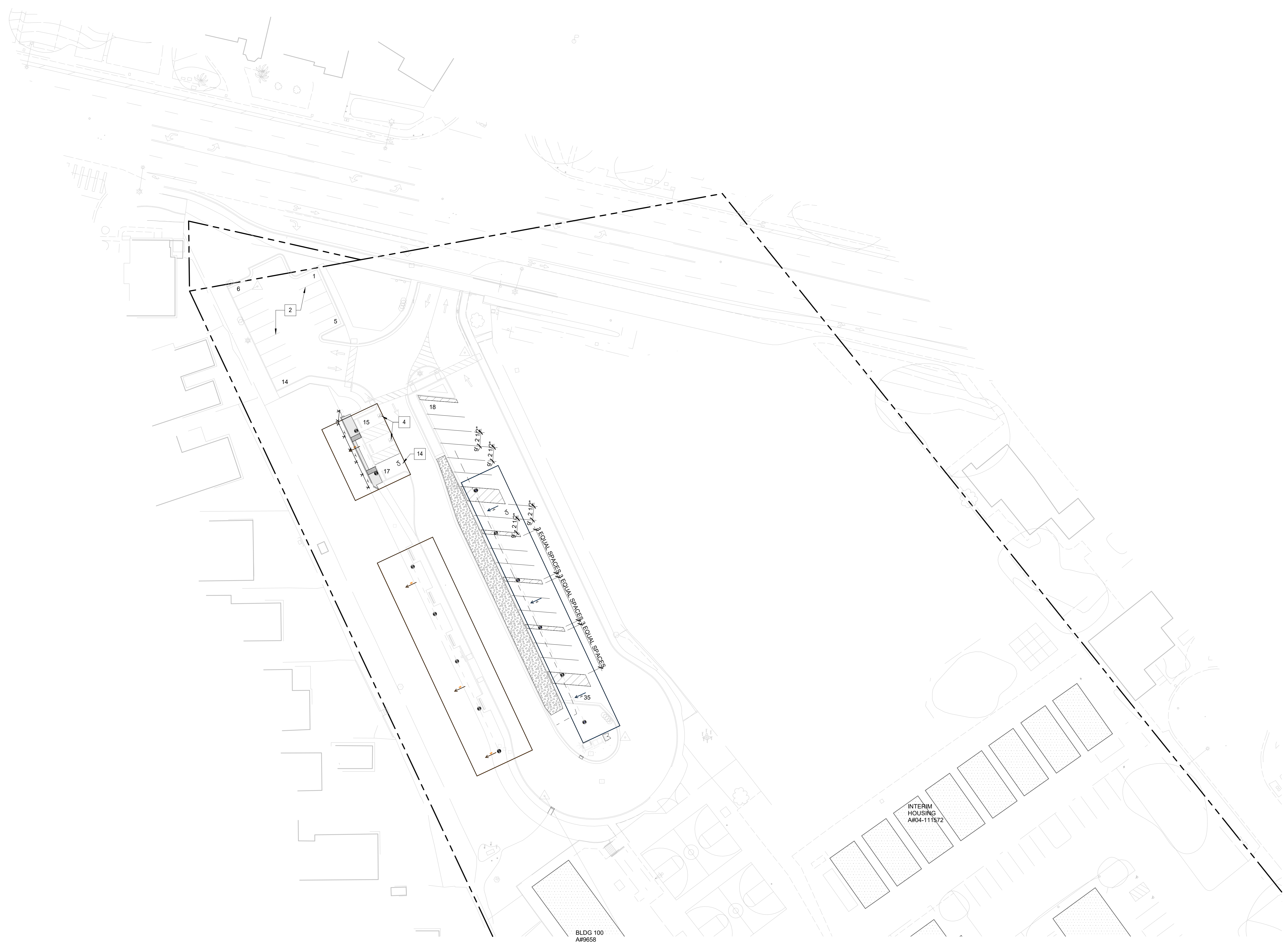
REVISION SCHEDULE

No.	Date	Description
1	7/11/2022	RECORD DRAWING SET

OPPORTUNITY 0001869149
PROJECT 12107
DATE 05/18/2020
DRAWN BY Author

0" 1" 2"
ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

SHEET **A040**
COPYRIGHT 2016 © SUNPOWER.COM



BLDG 100
A#9658

INTERIM
HOUSING
AREA-111572

LEGEND

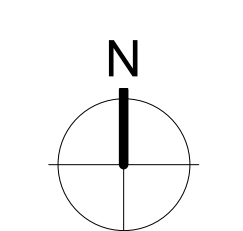
	PROPERTY LINE
	PARKING BOUNDARY
	SETBACK LINE
	(E) BUILDING (N.I.C.)
	(E) SAFE DISPERSAL AREA
XX:	TOTAL STALL NUMBER
X	KEYNOTE

- ### SHEET NOTES
1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING IMPROVEMENTS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS, INCLUDING THOSE NOT SPECIFICALLY REFERENCED IN THESE PLANS.
 2. THERE ARE EXISTING UNDERGROUND UTILITIES CROSSING IN CLOSE PROXIMITY TO THE PROPOSED WORK. THE CONTRACTOR SHALL FIELD LOCATE EXISTING UTILITIES AND NOTIFY ARCHITECT OF ANY CONFLICTS WITH THE PROPOSED WORK PRIOR TO THE START OF CONSTRUCTION.
 3. ALL UTILITY PAIPES, DUCTS, BOXES, VAULTS, AND STRUCTURES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
 4. ALL ABANDONMENTS AND REMOVALS MUST BE COMPLETED IN ACCORDANCE WITH APPROVED SEQUENCE PLAN.
 5. CONTRACTOR SHALL PROVIDE REFUSE AND RECYCLING AREA ON THE SITE AND SHALL SUBMIT TO ARCHITECT PROPOSED LOCATION OF STAGING AREA FOR ERECTING STEEL CANOPY.
 6. CONTRACTOR SHALL REFER TO SURVEY PLANS PROVIDED BY THE OWNER FOR MORE INFORMATION REGARDING EASEMENTS, SETBACKS, METES AND BOUNDS, ETC.
 7. REFER TO SHEET A200 FOR ACCESSIBILITY PARKING REQUIREMENTS.
 8. PARKING STALL CLEARANCE HEIGHT SHALL BE (12' - 0") MINIMUM.

PARKING ANALYSIS

TOTAL PARKING SPACES	---	35
COVERED PARKING SPACES	---	16
COVERED ADA SPACES	---	2
PERCENTAGE OF COVERED SPACES	---	46%
PERCENTAGE OF COVERED ADA SPACES	---	100%
TOTAL ADA SPACES REQUIRED		
TOTAL ADA SPACES REQUIRED	---	2
TOTAL ADA SPACES PROVIDED	---	2
STANDARD ADA SPACES REQUIRED	---	1
STANDARD ADA SPACES PROVIDED	---	1
VAN ADA SPACES REQUIRED	---	1
VAN ADA SPACES PROVIDED	---	1
TOTAL EV PARKING SPACES REQUIRED		
TOTAL EV PARKING SPACES REQUIRED	---	2
TOTAL EV ADA SPACES REQUIRED	---	1
TOTAL EV ADA SPACES PROVIDED	---	1
EV VAN ADA SPACES REQUIRED	---	1
EV VAN ADA SPACES PROVIDED	---	1
EV STANDARD ADA SPACES REQUIRED	---	0
EV STANDARD ADA SPACES PROVIDED	---	0
EV AMBULATORY ADA SPACES REQUIRED	---	0
EV AMBULATORY ADA SPACES PROVIDED	---	0

- ### KEYNOTES
- 2 EXISTING PARKING STALL
 - 4 EXISTING ACCESSIBLE PARKING STRIPING AND ISA SYMBOL. TYP.
 - 14 FUTURE ADA EV PARKING SPACE



OVERALL PARKING PLAN 1" = 30'-0" 1

DSA STAMP

SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE OR USE WITHOUT AUTHORIZATION BY SUNPOWER CORPORATION IS STRICTLY PROHIBITED.

CURRENT
DESIGN GROUP

1023 Palmer Drive, Suite 410, Concord, CA 94520
CONCORD@CURRENT.COM
925.702.2800

REGISTERED ARCHITECT
SERRAVALLO
C-34478
EXP. 03/31/21
STATE OF CALIFORNIA

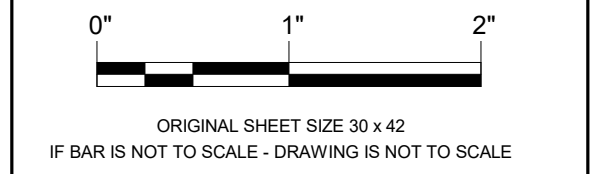
SAN DIEGO UNIFIED SCHOOL DISTRICT

SAN DIEGO UNIFIED SCHOOL DISTRICT
LANGUAGE ACADEMY
4981 64TH ST., SAN DIEGO, CA 92115

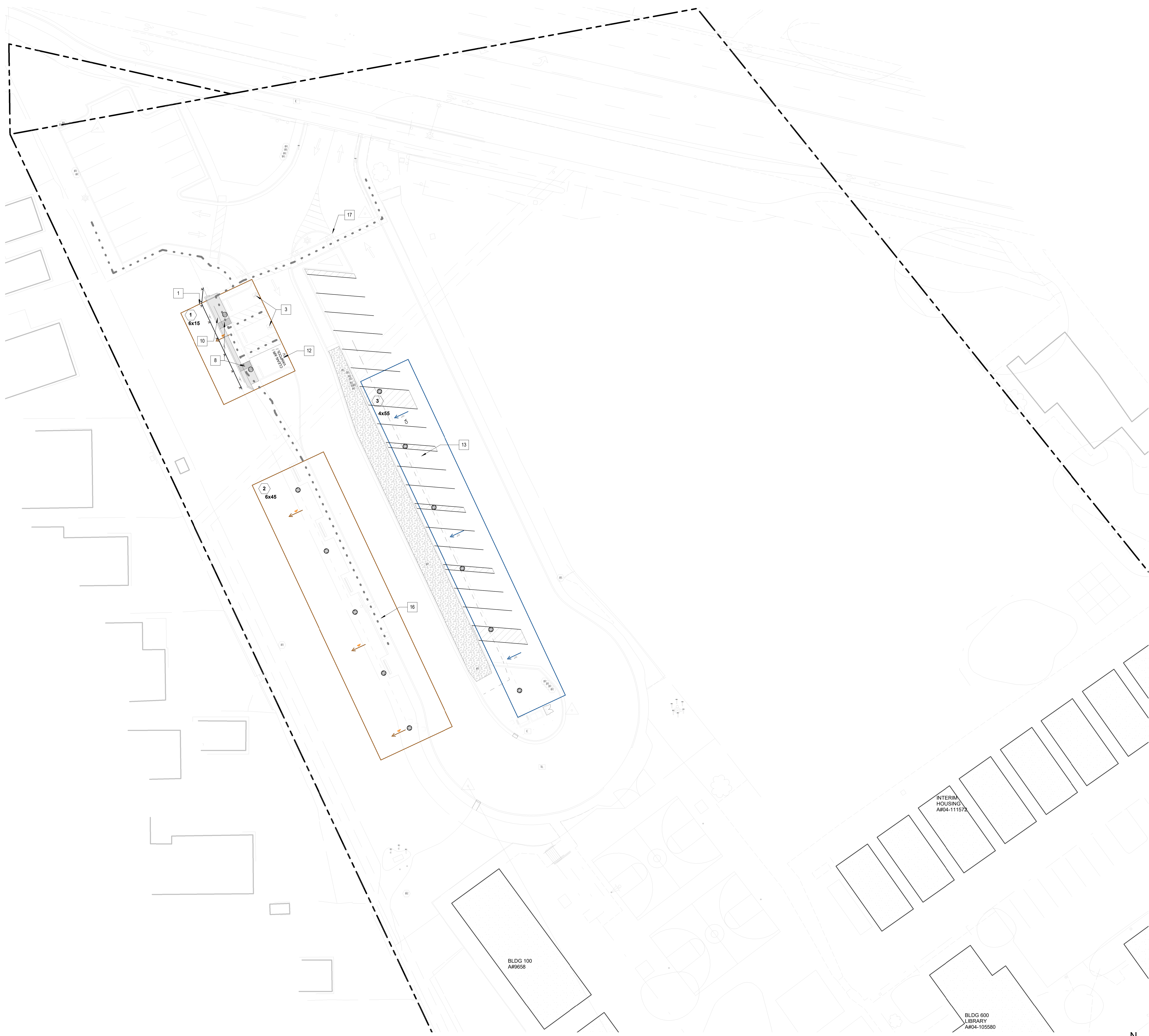
OVERALL PARKING PLAN

REVISION SCHEDULE	DB	CB
No.	RECORD DRAWING SET	
Date	7/11/2022	
Design No. - Description		

OPPORTUNITY 0001869149
PROJECT 12107
DATE 05/18/2020
DRAWN BY Author



ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE
SHEET **A100**
COPYRIGHT 2018 © SUNPOWER.COM



LEGEND

- NEW PATH OF TRAVEL (SEE NOTE 1)
- EXISTING PATH OF TRAVEL PER A# 04-111593
- ASSUMED PROPERTY LINE
- (X) (N) ARRAY # PER ARRAY SUMMARY TABLE ON A010
- ○ PROPOSED ARRAY
- (E) BUILDING (N.I.C.)
- NEW WALKWAY AREA
- ▨ (E) BIOSWALE
- X KEYNOTE

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

1. THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT. THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

2. "PATH OF TRAVEL" (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESSIBLE ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AND AT A SLOPE NOT STEEPER THAN 1:2, EXCEPT THE LEVEL CHANGES ARE 1/4" MAXIMUM VERTICAL AND IS AT LEAST 48" WIDE. SURFACE SHALL BE STABLE, FIRM AND SLIP RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND RUNNING SLOPE SHALL NOT BE STEEPER THAN 1:20, UNLESS OTHERWISE INDICATED (SECTION 11B-403.3) P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS UP TO 80" MINIMUM (SECTION 11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM A WALL SURFACE BETWEEN 27" AND 80" ABOVE FINISH FLOOR OR GROUND (SECTION 11B-307.2). PROVIDE FLUSH TRANSITION AT ANY ADJOINING JOINTS BETWEEN NEW AND EXISTING WALK SURFACES IN P.O.T. ARCHITECT TO VERIFY THAT THERE ARE NO BARRIERS IN THE P.O.T. AND ALL OTHER AREAS COMPLY WITH SECTION 11B-206.

SHEET NOTES

1. SOLAR SUPPORT STRUCTURES TO BE INSTALLED SUCH THAT THEY DO NOT INTERFERE WITH THE APPROVED ADA PATH OF TRAVEL ACCESS PLAN.
2. SOLAR SUPPORT STRUCTURE COLUMNS AND ASSOCIATED FOUNDATIONS SHALL NOT INTERFERE WITH (E) ADA PARKING STALLS NOR (E) ADA PATH OF TRAVEL. SURVEYOR AND FOUNDATION INSTALLER TO COORDINATE COLUMN PLACEMENT WITH SUNPOWER.
3. REFER TO SHEETS A010 AND A210 FOR MORE NOTES REGARDING REQUIREMENTS FOR ADA PARKING STALLS.
4. REFER TO SHEETS A010 AND A210 FOR NOTES REGARDING REQUIREMENTS FOR EV PARKING STALLS.
5. PARKING STALL CLEARANCE HEIGHT SHALL BE (12' - 0") MINIMUM.

KEYNOTES

- 1 EXISTING P.O.T. PER A# 04-111593
- 3 EXISTING ACCESSIBLE STALL PER A# 04-111593
- 8 NEW TRUNCATED DOMES
- 10 NEW ACCESSIBLE WALKWAY
- 12 FUTURE EV ADA STALL
- 13 FUTURE EV STALL
- 16 EXISTING ACCESSIBLE BUS LOADING ZONE PER A# 04-111593
- 17 EXISTING ENTRY SIGN - SEE DETAIL 5/A500

DSA STAMP

SUNPOWER™
 1414 Harbour Way South
 Richmond, CA 94804 USA
 (510) 540-0550

THE DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE OR USE WITHOUT AUTHORIZATION IS STRICTLY PROHIBITED.

CURRENT
 DESIGN GROUP
103 Palmer Daley Way #107, Carlsbad, CA 92008
 (760) 439-9999

REGISTERED ARCHITECT
Benjamin P. ...
 C-34479
 (REN. 03/17)
 STATE OF CALIFORNIA

SAN DIEGO UNIFIED SCHOOLS DISTRICT

SAN DIEGO UNIFIED SCHOOL DISTRICT
 LANGUAGE ACADEMY
 4981 64TH ST., SAN DIEGO, CA 92115

OVERALL ACCESSIBLE SITE PLAN

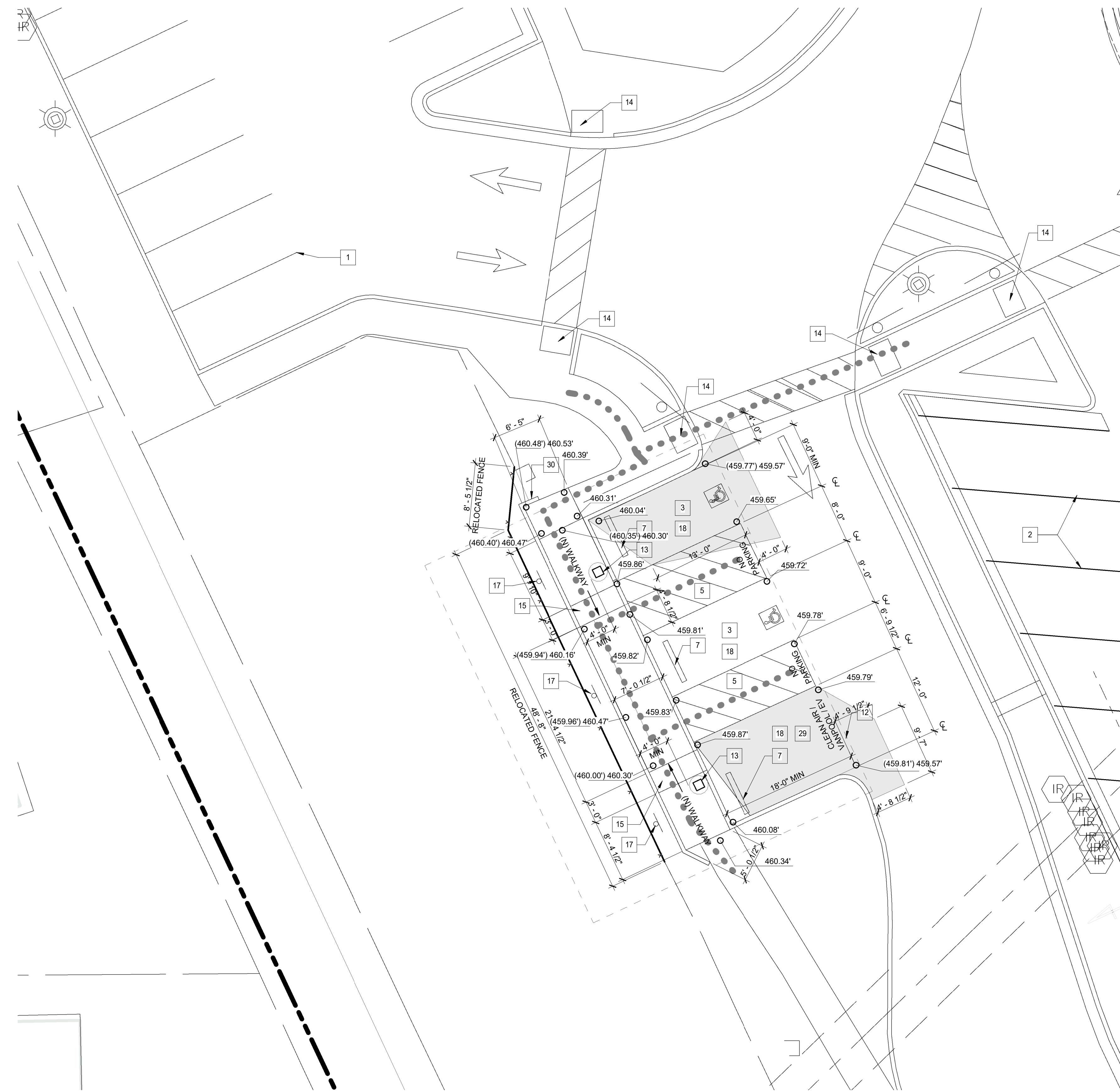
REVISION SCHEDULE	No.	Date	Description
RECORD DRAWING SET		7/11/2022	

OPPORTUNITY: 0001869149
 PROJECT: 12107
 DATE: 05/18/2020
 DRAWN BY: Author

0" 1" 2"
 ORIGINAL SHEET SIZE 30 x 42
 IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

SHEET **A200**
COPYRIGHT 2016 © SUNPOWER.COM

7/19/2022 1:56:15 PM S:\Shared With Me - CURRENT\02 Projects\20-05_Sun Power\USD Ph 0103 Design\LANGUAGE ACADEMY\LANGUAGE ACADEMY.rvt



LEGEND

- NEW PATH OF TRAVEL (SEE NOTE 1)
- EXISTING PATH OF TRAVEL
- (000.00') / (000.00') EXISTING ELEVATION / NEW ELEVATION
- AREA OF WORK - CONTRACTOR SHALL PROVIDE NEW ASPHALT CONCRETE PAVEMENT AND SHALL BLEND FINISH SURFACE OF NEW ELEVATIONS TO EXISTING ELEVATIONS AS REQUIRED. HATCHED AREA SHALL MAINTAIN 2% OR 5% MAXIMUM SLOPE IN ALL DIRECTIONS. SEE DETAIL 4/A501
- ⊗ KEYNOTE
- TRUNCATED DOMES SEE DETAIL 1/A501
- NEW CONCRETE WALK SEE DETAIL 3/A501

- ### SHEET NOTES
- SOLAR SUPPORT STRUCTURES TO BE INSTALLED SUCH THAT THEY DO NOT INTERFERE WITH THE APPROVED ADA PATH OF TRAVEL ACCESS PLAN.
 - SOLAR SUPPORT STRUCTURE COLUMNS AND ASSOCIATED FOUNDATIONS SHALL NOT INTERFERE WITH (E) ADA PARKING STALLS NOR ANY (E) ADA PATH OF TRAVEL.
 - SURVEYOR AND FOUNDATION INSTALLER TO COORDINATE COLUMN PLACEMENT WITH SUNPOWER.
 - THE ACCESSIBLE PATH OF TRAVEL, AS INDICATED ON THE PLANS, IS A BARRIER FREE ACCESS PATHWAY WITHOUT ANY ABRUPT VERTICAL CHANGES IN EXCESS OF 1/2" AND A MAX SLOPE OF 1:20, WITH THE EXCEPTION THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL WITH A CROSS SLOPE OF 2%. ACCESSIBLE PATH OF TRAVEL SHALL BE SLIP RESISTANT AND MAINTAIN A 48" MIN. WIDTH.
 - FOR EXACT COLUMN SPACING REFER TO SITE SECTION DRAWINGS.
 - IF SITE PARKING TO BE RE-STRIPED, TYPICAL PARKING STALL DIMENSIONS SHALL BE 9'-0" WIDE X 18'-0" LONG. COORDINATE RE-STRIPING WITH OWNER AS REQUIRED PRIOR TO COMMENCEMENT OF WORK.
 - GRADES AND SLOPES SHALL BE CHECKED AND READJUSTED, AS NEEDED, WHENEVER ACCESSIBLE PARKING STALLS ARE ADDED TO AN EXISTING PARKING LOT.

- ### KEYNOTES
- EXISTING PARKING STRIPING
 - NEW PARKING STRIPING, PAINTED BLUE - MATCH EXISTING. ADJUST AND OR EXTEND EXISTING STRIPING TO COMPLETE THE ACCESSIBLE AREA AS REQUIRED.
 - EXISTING ACCESSIBLE PARKING STRIPING AND ISA SYMBOL PER A# 04-111593
 - EXISTING ACCESS AISLE STRIPING. COLOR SHALL BE WHITE AT 36" O.C.
 - EXISTING WHEELSTOP. CONTRACTOR SHALL PAINT FEDERAL BLUE 15090 IN COMPLIANCE WITH FEDERAL STANDARD 595C. REPLACE IF DAMAGED OR NON-COMPLIANT.
 - NEW CANOPY ABOVE SHOWN DASHED.
 - NEW SOLAR COLUMN SUPPORTING SOLAR PANEL SYSTEM.
 - EXISTING TRUNCATED DOMES
 - NEW TRUNCATED DOMES WITH 48" MIN. WIDTH AND 36" DEPTH.
 - NEW ADA SIGNAGE IN COMPLIANCE WITH CODE. SEE DETAILS 3 AND 4 A500
 - PROVIDE 2% MAX. SLOPE IN ANY DIRECTION AT ACCESSIBLE PARKING STALL AND ACCESS AISLE. CONTRACTOR SHALL FIELD VERIFY SLOPES DO NOT EXCEED 2%.
 - FUTURE EV PARKING LABELED AS "CLEAN AIR/ VANPOOL / EV
 - NEW CONCRETE CURB SEE DETAIL 3 / A501

N

1/8" = 1'-0" 1

ENLARGED ACCESSIBLE SITE PLAN

DSA STAMP

SUNPOWER™

1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THE DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE OR USE WITHOUT AUTHORIZATION OF SUNPOWER CORPORATION IS STRICTLY PROHIBITED.

CURRENT
DESIGN GROUP

103 Palmer Drive, Ste #107, Concord, CA 95028
(925) 885-0000
10/12/2009

LICENSED ARCHITECT
SHEILA P. BROWN
C-3478
EXPIRES 03/31/23
STATE OF CALIFORNIA

UNIFIED SCHOOLS DISTRICT

SAN DIEGO UNIFIED SCHOOL DISTRICT
LANGUAGE ACADEMY
4981 64TH ST., SAN DIEGO, CA 92115

ENLARGED ACCESSIBLE PLAN

REVISION SCHEDULE	DB	CR
No.		
Description		
Date		
7/11/2022		
RECORD DRAWING SET		

OPPORTUNITY 0001869149

PROJECT 12107

DATE 05/18/2020

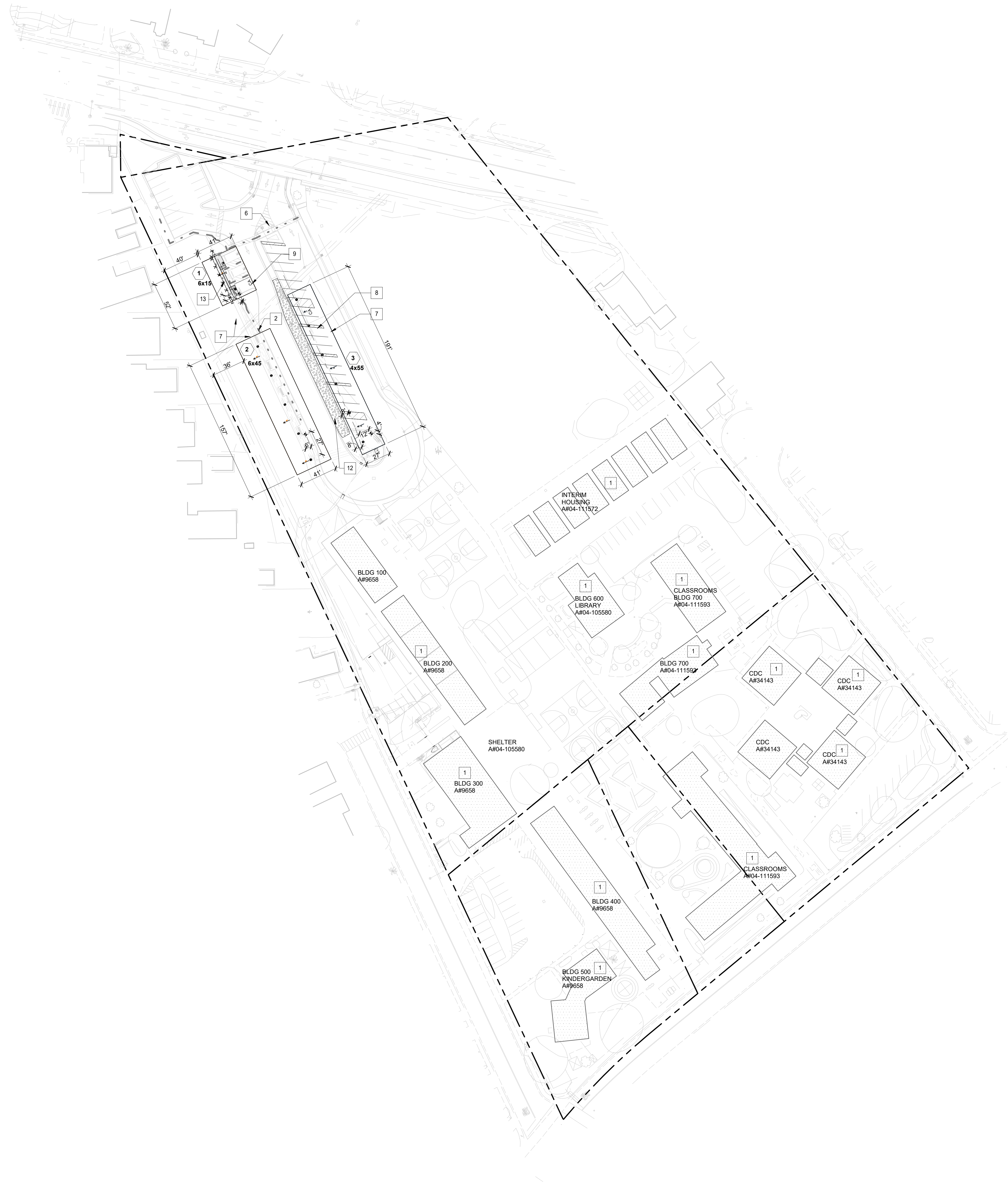
DRAWN BY Author

0" 1" 2"

ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

SHEET **A210**

COPYRIGHT 2016 © SUNPOWER CORP



LEGEND

- NEW PATH OF TRAVEL (SEE NOTE 1)
- EXISTING PATH OF TRAVEL
- ASSUMED PROPERTY LINE
- X (N) ARRAY # PER ARRAY SUMMARY TABLE ON A010
- PROPOSED ARRAY
- (E) BUILDING (N.I.C.)
- NEW WALKWAY AREA
- (E) BIOSWALE
- X KEYNOTE
- DATUM POINT

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

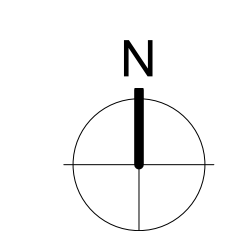
1. THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT. THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
2. "PATH OF TRAVEL" (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESSIBLE ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AND AT A SLOPE NOT STEEPER THAN 1:2, EXCEPT THE LEVEL CHANGES ARE 1/4" MAXIMUM VERTICAL AND IS AT LEAST 48" WIDE. SURFACE SHALL BE STABLE, FIRM AND SLIP RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND RUNNING SLOPE SHALL NOT BE STEEPER THAN 1:20, UNLESS OTHERWISE INDICATED (SECTION 11B-403.3). P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS UP TO 80" MINIMUM (SECTION 11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM A WALL SURFACE BETWEEN 27" AND 80" ABOVE FINISH FLOOR OR GROUND (SECTION 11B-307.2). PROVIDE FLUSH TRANSITION AT ANY ADJOINING JOINTS BETWEEN NEW AND EXISTING WALK SURFACES IN P.O.T. ARCHITECT TO VERIFY THAT THERE ARE NO BARRIERS IN THE P.O.T. AND ALL OTHER AREAS COMPLY WITH SECTION 11B-206.

SHEET NOTES

1. SOLAR SUPPORT STRUCTURES TO BE INSTALLED SUCH THAT THEY DO NOT INTERFERE WITH THE APPROVED ADA PATH OF TRAVEL ACCESS PLAN.
2. SOLAR SUPPORT STRUCTURE COLUMNS AND ASSOCIATED FOUNDATIONS SHALL NOT INTERFERE WITH (E) ADA PARKING STALLS NOR (E) ADA PATH OF TRAVEL. SURVEYOR AND FOUNDATION INSTALLER TO COORDINATE COLUMN PLACEMENT WITH SUNPOWER.
3. REFER TO SHEETS A010 AND A210 FOR MORE NOTES REGARDING REQUIREMENTS FOR ADA PARKING STALLS.
4. REFER TO SHEETS A010 AND A210 FOR NOTES REGARDING REQUIREMENTS FOR EV PARKING STALLS.
5. PARKING STALL CLEARANCE HEIGHT SHALL BE (12' - 0") MINIMUM.

KEYNOTES

- 1 EXISTING STRUCTURE
- 2 EXISTING ACCESSIBLE PATH OF TRAVEL. REFER TO PATH OF TRAVEL NOTES FOR MORE INFORMATION.
- 6 EXISTING SITE ENTRY SIGNAGE. SEE 5/A500
- 7 NEW PV CANOPY
- 8 FUTURE CLEAN AIR VEHICLE STALL
- 9 FUTURE CLEAN AIR ACCESSIBLE VEHICLE STALL
- 12 EXISTING BIOSWALE. COLUMN SHALL BE POSITIONED 3 TIMES PIER DIAMETER FROM EDGE OF SWALES. +/- 8'
- 13 NEW FENCE TO MATCH EXISTING



OVERALL CANOPY LAYOUT PLAN 1" = 50'-0" 1

DSA STAMP

SUNPOWER™
 1414 Harbour Way South
 Richmond, CA 94804 USA
 (510) 540-0550

CURRENT
 DESIGN GROUP
 103 Palmer Daley Way #107, Oakland, CA 94612
 (510) 436-2800

REGISTERED ARCHITECT
 SEAN M. FLETCHER
 C-34479
 (2018-2021)
 STATE OF CALIFORNIA

SAN DIEGO UNIFIED SCHOOL DISTRICT

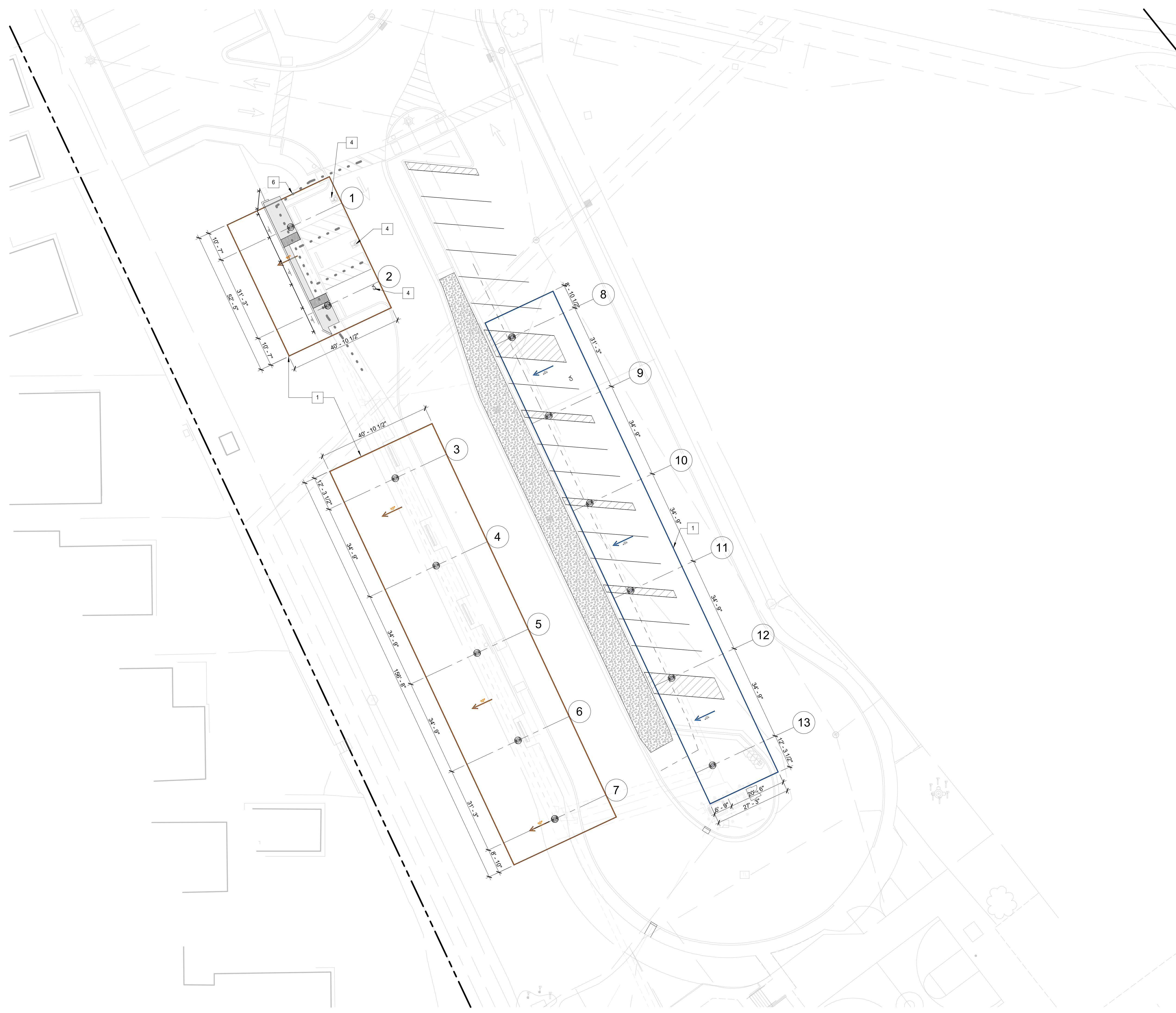
SAN DIEGO UNIFIED SCHOOL DISTRICT
 LANGUAGE ACADEMY
 4961 64TH ST., SAN DIEGO, CA 92115

REVISION SCHEDULE	No.	Description	Date	DB	CR
RECORD DRAWING SET			7/11/2022		

OPPORTUNITY 0001869149
 PROJECT 12107
 DATE 05/18/2020
 DRAWN BY Author

ORIGINAL SHEET SIZE 30 x 42
 IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

SHEET **A300**
 COPYRIGHT 2018 © SUNPOWER.COM



- ### LEGEND
- NEW PATH OF TRAVEL (SEE NOTE 1)
 - EXISTING PATH OF TRAVEL PER A# 04-111593
 - ASSUMED PROPERTY LINE
 - (X) (N) ARRAY # PER ARRAY SUMMARY TABLE ON A010
 - ○ PROPOSED ARRAY
 - (E) BUILDING (N.I.C.)
 - NEW WALKWAY AREA
 - ▨ (E) BIOSWALE
 - (X) KEYNOTE

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

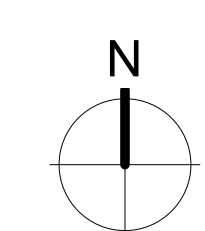
- THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT. THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
- "PATH OF TRAVEL" (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESSIBLE ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AND AT A SLOPE NOT STEEPER THAN 1:2, EXCEPT THE LEVEL CHANGES ARE 1/4" MAXIMUM VERTICAL AND IS AT LEAST 48" WIDE. SURFACE SHALL BE STABLE, FIRM AND SLIP RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND RUNNING SLOPE SHALL NOT BE STEEPER THAN 1:20, UNLESS OTHERWISE INDICATED (SECTION 11B-403.3). P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS UP TO 80" MINIMUM (SECTION 11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM A WALL SURFACE BETWEEN 27" AND 80" ABOVE FINISH FLOOR OR GROUND (SECTION 11B-307.2). PROVIDE FLUSH TRANSITION AT ANY ADJOINING JOINTS BETWEEN NEW AND EXISTING WALK SURFACES IN P.O.T. ARCHITECT TO VERIFY THAT THERE ARE NO BARRIERS IN THE P.O.T. AND ALL OTHER AREAS COMPLY WITH SECTION 11B-206.

SHEET NOTES

- SOLAR SUPPORT STRUCTURES TO BE INSTALLED SUCH THAT THEY DO NOT INTERFERE WITH THE APPROVED ADA PATH OF TRAVEL ACCESS PLAN.
- SOLAR SUPPORT STRUCTURE COLUMNS AND ASSOCIATED FOUNDATIONS SHALL NOT INTERFERE WITH (E) ADA PARKING STALLS NOR (E) ADA PATH OF TRAVEL. SURVEYOR AND FOUNDATION INSTALLER TO COORDINATE COLUMN PLACEMENT WITH SUNPOWER.
- REFER TO SHEETS A010 AND A210 FOR MORE NOTES REGARDING REQUIREMENTS FOR ADA PARKING STALLS.
- REFER TO SHEETS A010 AND A210 FOR NOTES REGARDING REQUIREMENTS FOR EV PARKING STALLS.
- PARKING STALL CLEARANCE HEIGHT SHALL BE (12' - 0") MINIMUM.

KEYNOTES

- NEW PV CANOPY
- EXISTING ACCESSIBLE PARKING STRIPING AND ISA SYMBOL.
- EXISTING ACCESSIBLE PATH OF TRAVEL. REFER TO PATH OF TRAVEL NOTES FOR MORE INFORMATION.



ENLARGED CANOPY LAYOUT PLAN 1/16" = 1'-0" 1

DSA STAMP

SUNPOWER™
 1414 Harbour Way South
 Richmond, CA 94804 USA
 (510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE OR USE WITHOUT AUTHORIZATION IS STRICTLY PROHIBITED.

CURRENT
 DESIGN GROUP

103 Palmer Daley Way #107, Oakland, CA 94612
 (510) 832-2800

REGISTERED ARCHITECT
 SEANAM P. PARRISH
 C-34479
 (REN. 03/31/21)
 STATE OF CALIFORNIA

SAN DIEGO UNIFIED SCHOOL DISTRICT

SAN DIEGO UNIFIED SCHOOL DISTRICT
 LANGUAGE ACADEMY
 4981 64TH ST., SAN DIEGO, CA 92115

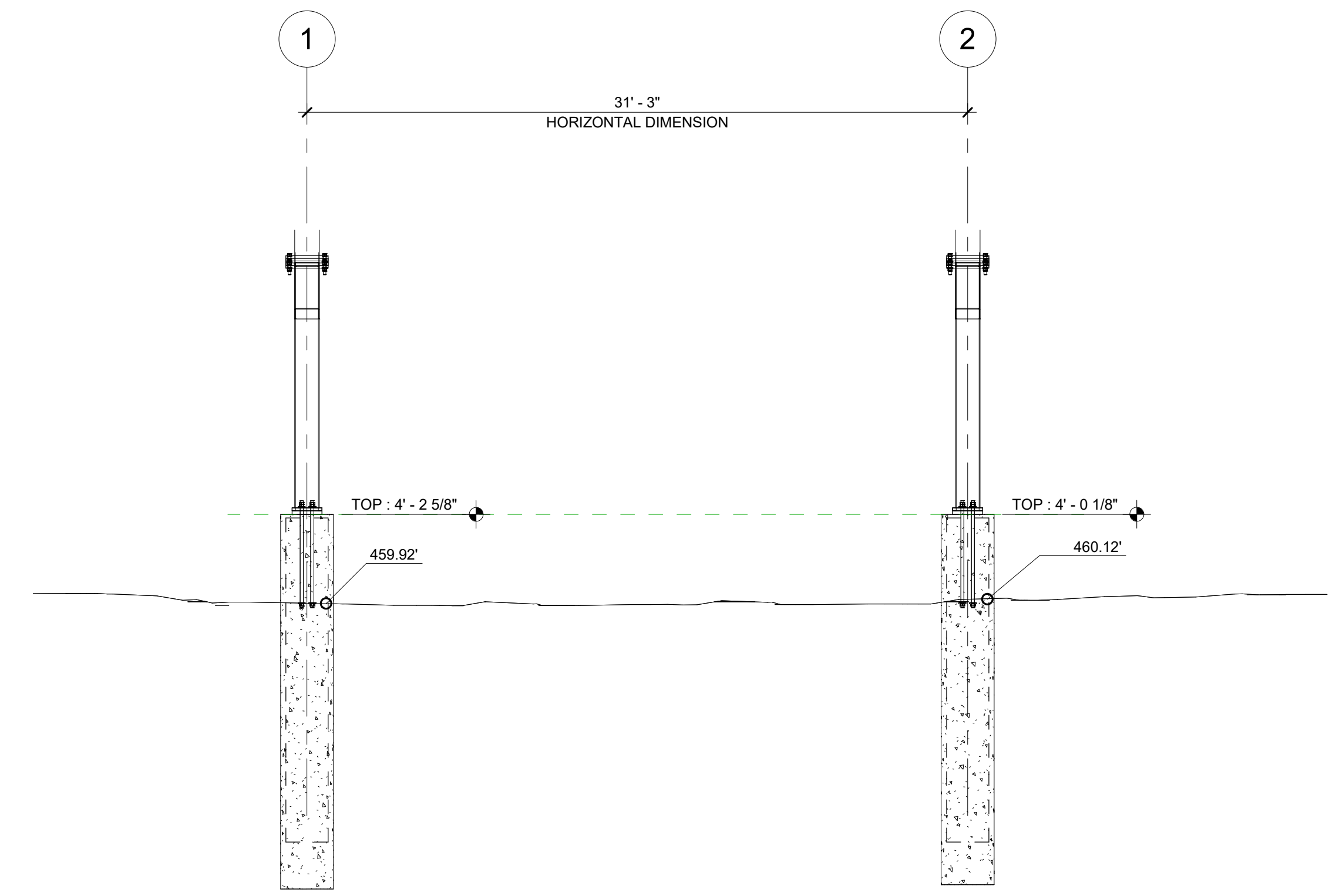
REVISION SCHEDULE	No.	Date	Description
RECORD DRAWING SET		7/11/2022	

OPPORTUNITY 0001869149
 PROJECT 12107
 DATE 05/18/2020
 DRAWN BY Author

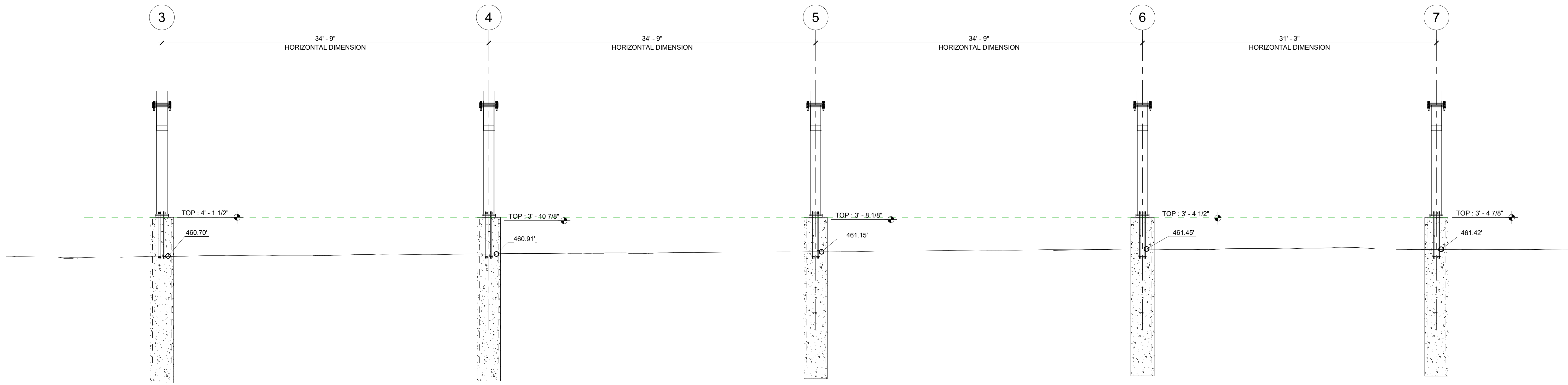
ORIGINAL SHEET SIZE 30 x 42
 IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

SHEET **A310**
© COPYRIGHT 2016 © SUNPOWER.COM

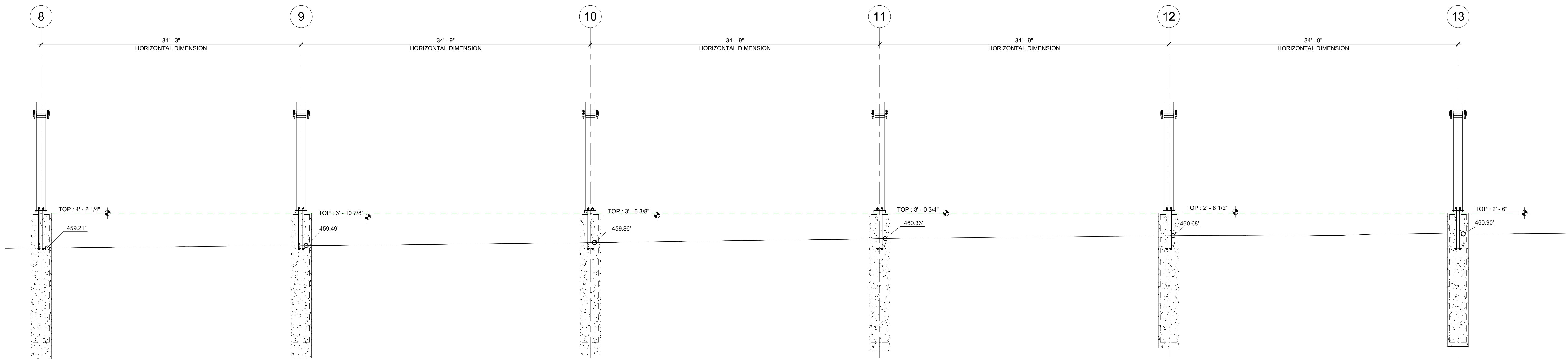
NOTE: ALL DIMENSIONS SHOWN NEED TO BE FIELD VERIFIED. SITE CONDITIONS MAY AFFECT THE ELEVATIONS. CONTACT THE ARCHITECT WITH ANY DISCREPANCIES IMMEDIATELY PRIOR TO COMMENCE CONSTRUCTION. REFER TO SHEETS A300 AND A310 FOR CANOPY LOCATION. FOR PIER CAGE INFORMATION SEE DETAIL 20/S300.



CANOPY 1 SITE SECTION 3/16" = 1'-0" 1



CANOPY 2 SITE SECTION 3/16" = 1'-0" 2



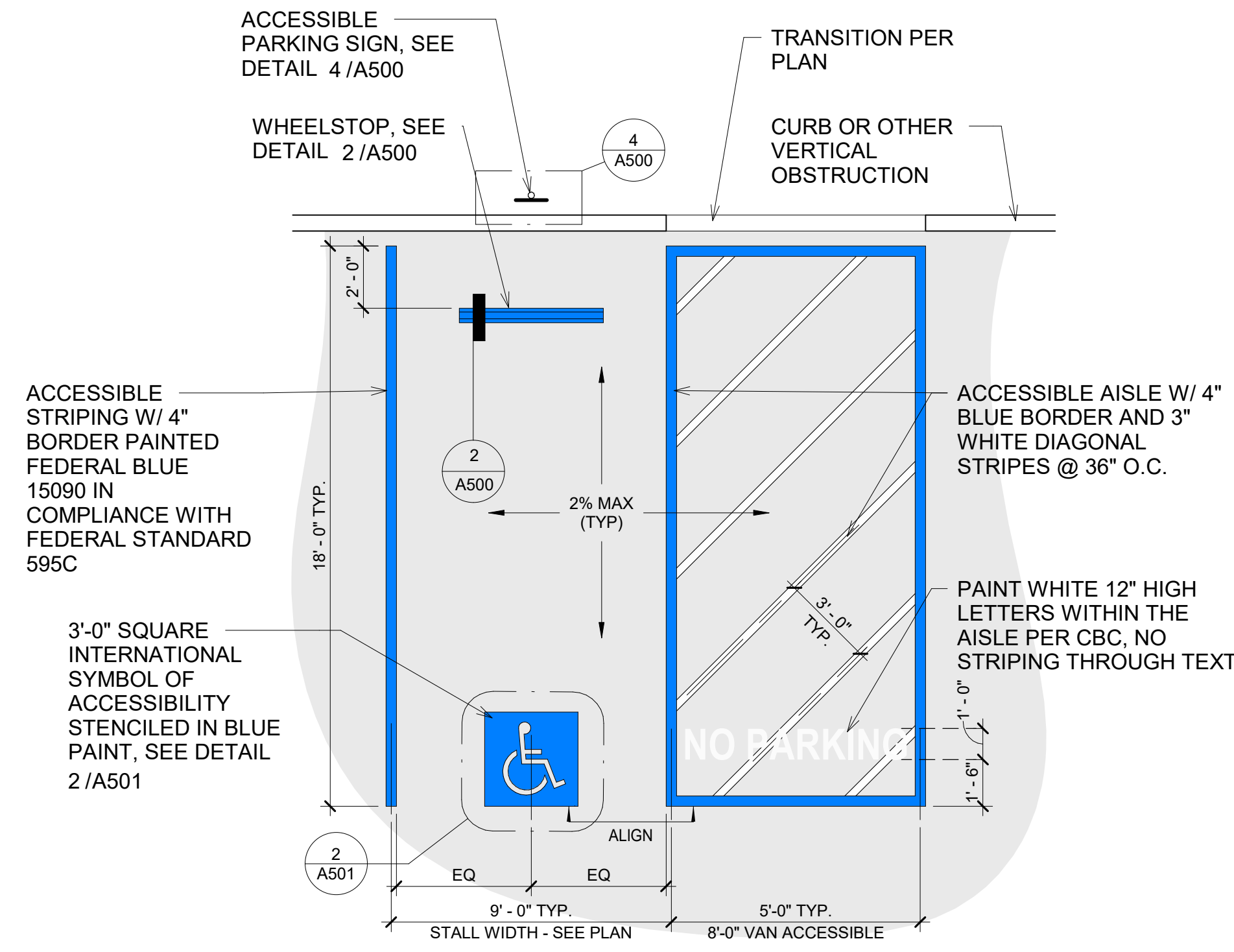
CANOPY 3 SITE SECTION 3/16" = 1'-0" 3

REVISION SET	DATE	BY	DESCRIPTION
REVISION SET	06/18/2020	DR	DR
30% SUBMITTAL SET			
1			

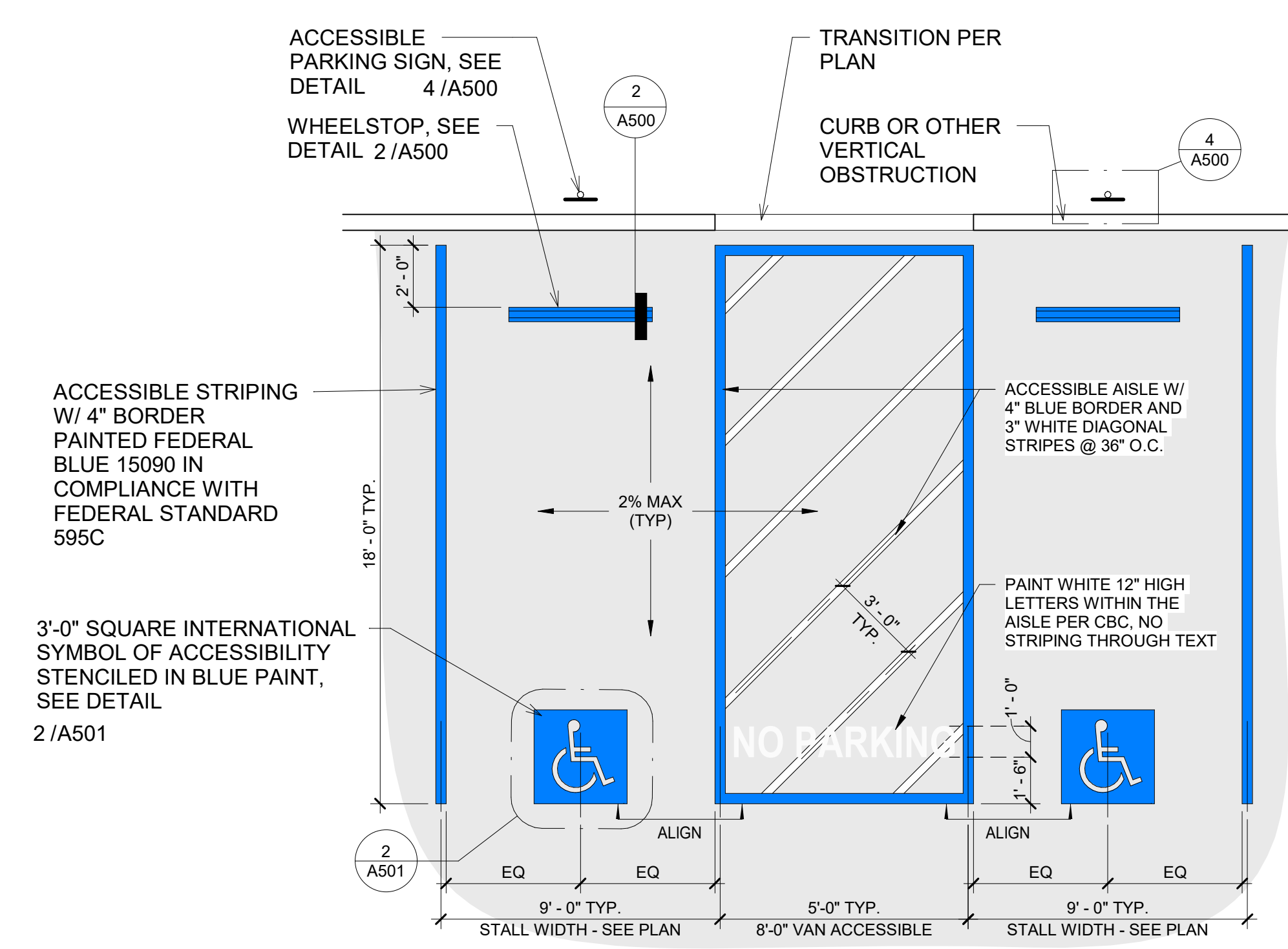
OPPORTUNITY 0001869149
 PROJECT 12107
 DATE 05/18/2020
 DRAWN BY Author

0" 1" 2"
 ORIGINAL SHEET SIZE IS A4
 # BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

SHEET **A400**
 COPYRIGHT 2016 © SUNPOWER CORP

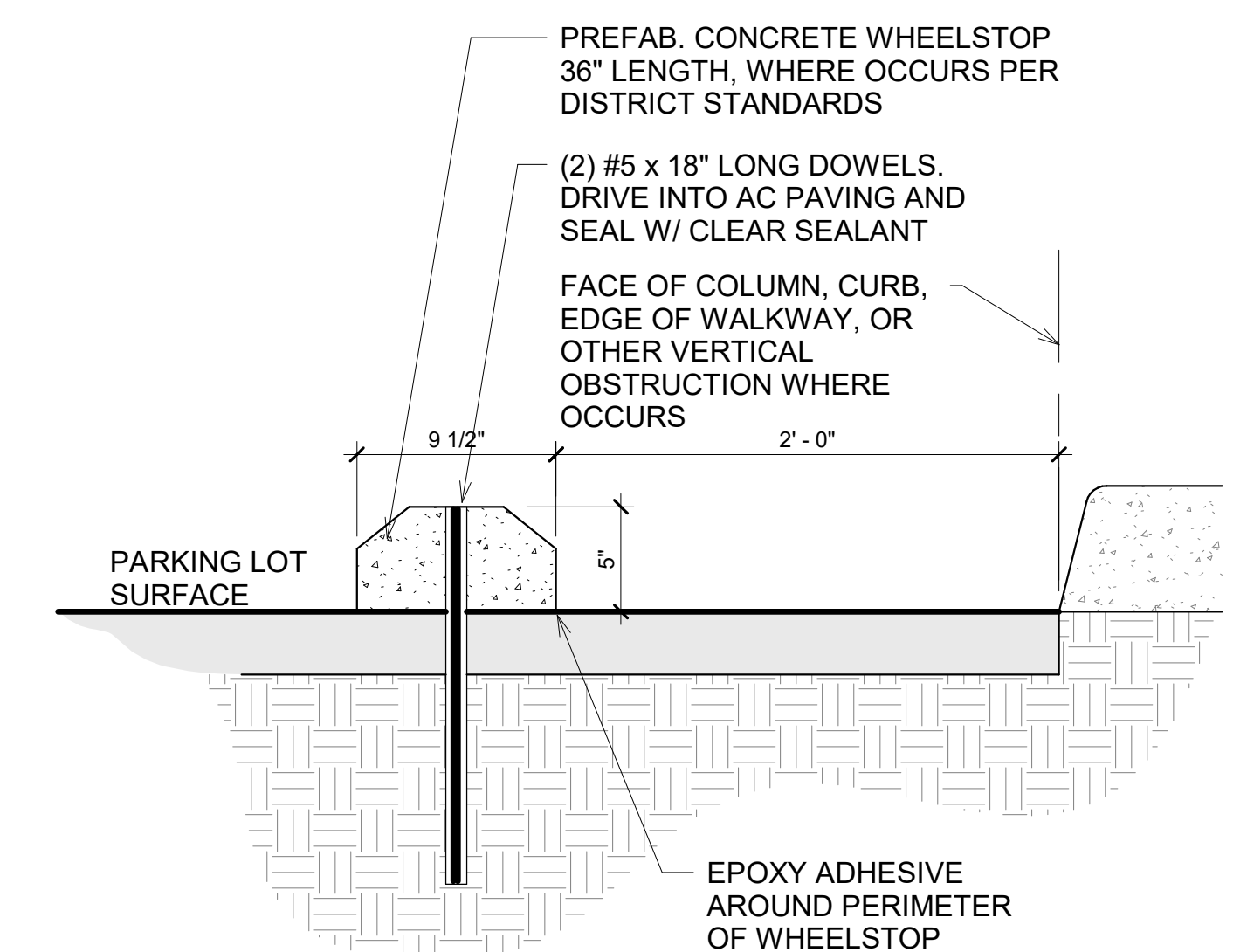


SINGLE STALL ACCESSIBLE

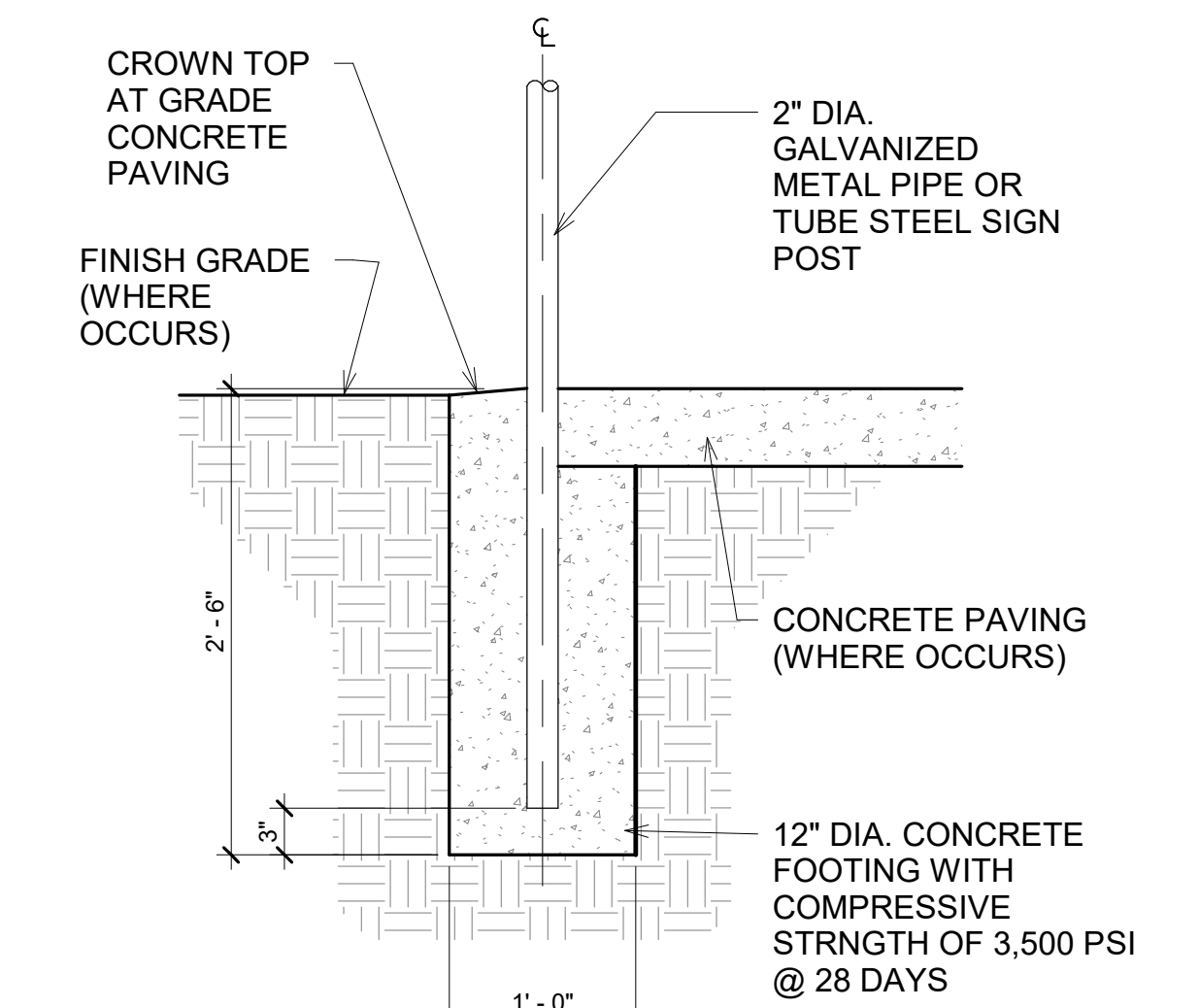


DOUBLE STALL ACCESSIBLE

ACCESSIBLE PARKING STALL DETAILS 1/4" = 1'-0" | 1



WHEEL STOP DETAIL 1 1/2" = 1'-0" | 2

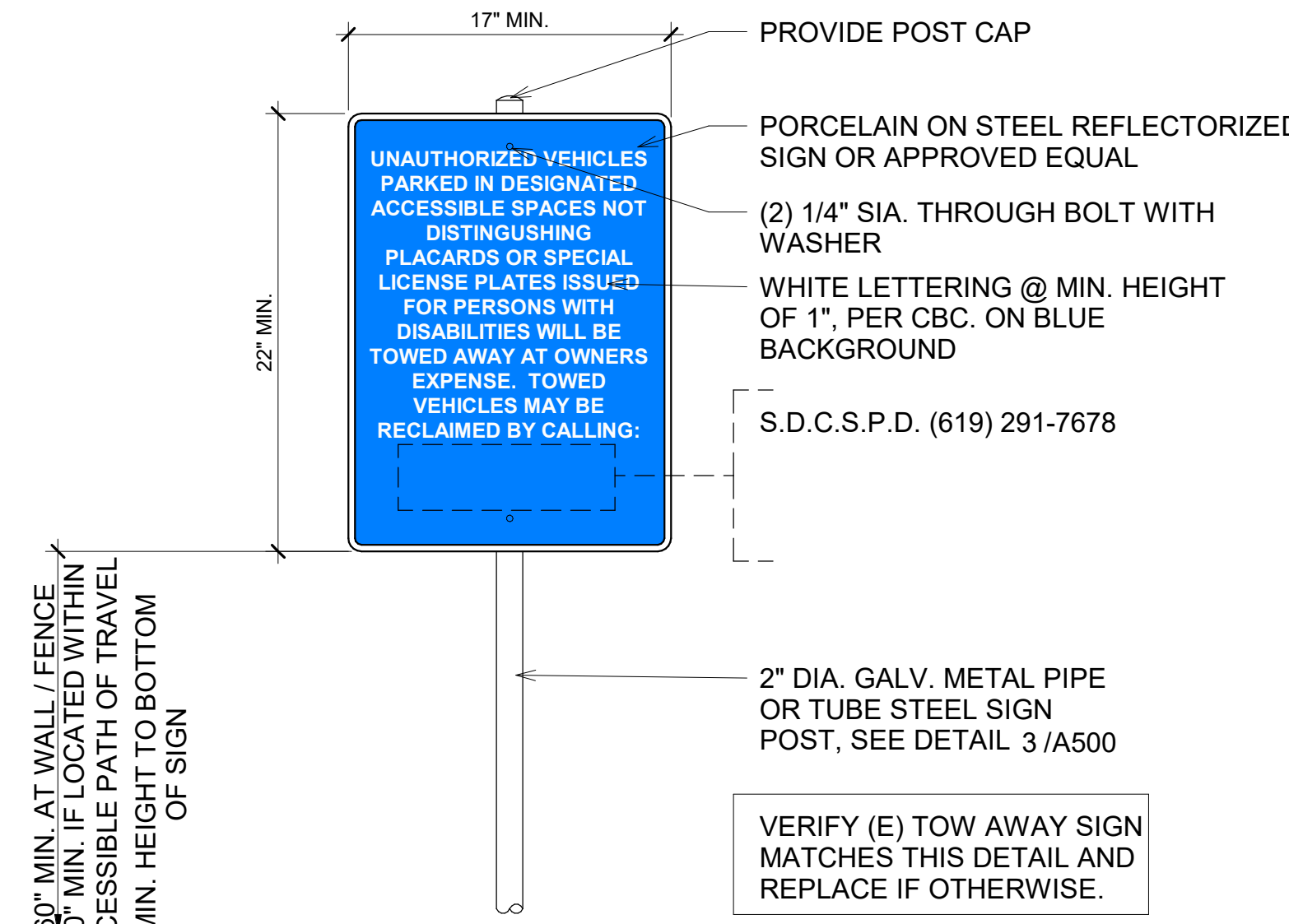


TYP. SIGN POST 1" = 1'-0" | 3

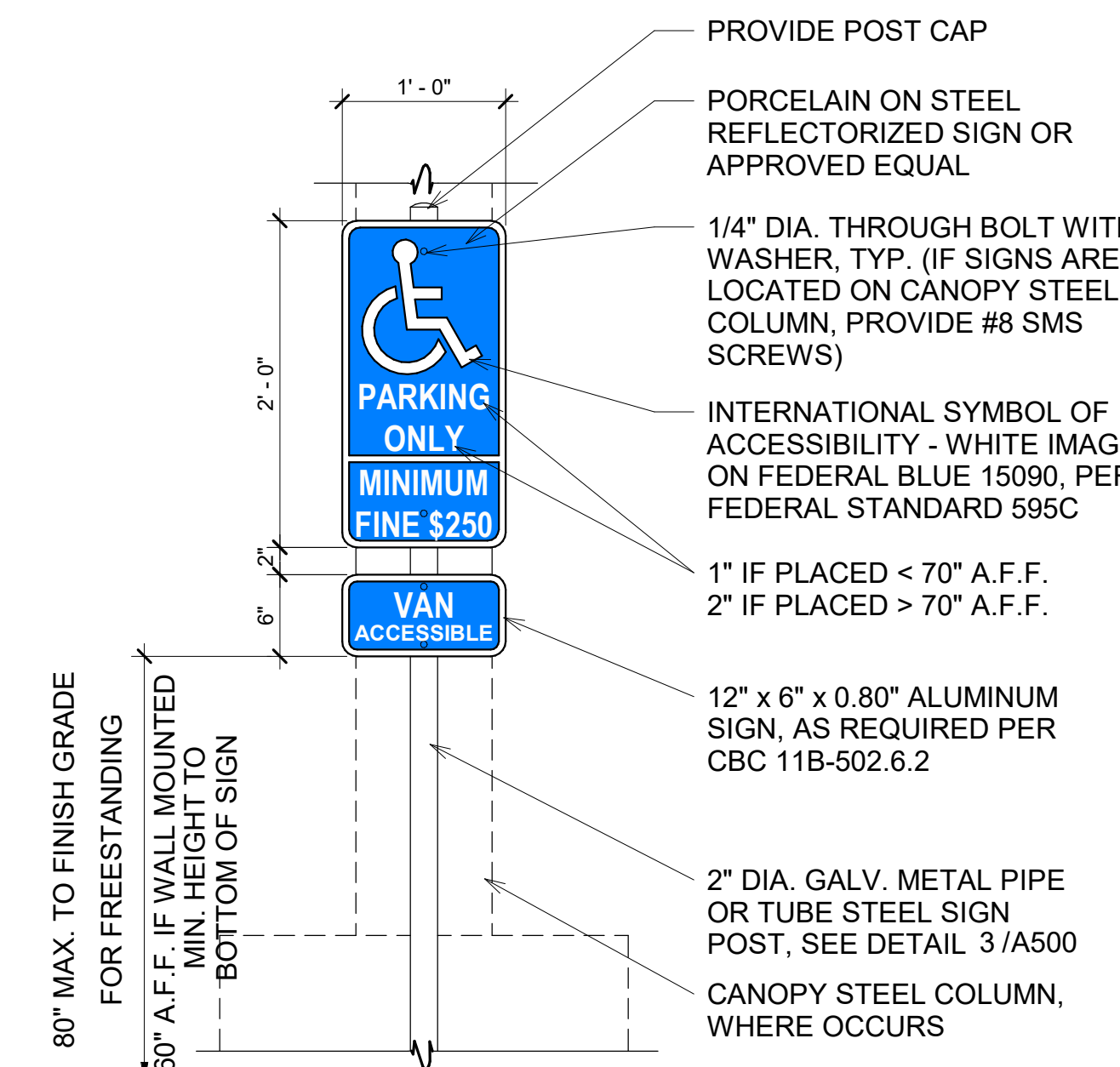
SIGN NOTES:

A REFLECTORIZED SIGN SHALL BE PERMANENTLY POSTED IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO OFF-STREET PARKING FACILITIES, OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE. THE SIGN SHALL NOT BE LESS THAN 17" BY 22" IN SIZE WITH WHITE LETTERING NOT LESS THAN 1" IN HEIGHT ON A DARK BLUE BACKGROUND.

RECLAMATION ADDRESS AND TELEPHONE NUMBER SHALL BE PROVIDED BY OWNER AND INCLUDED BY CONTRACTOR AS A PERMANENT PART OF THIS SIGN. DARK BLUE BACKGROUND COLOR SHALL BE EQUAL TO COLOR NUMBER 15090 IN FEDERAL STANDARD 595C. SIGN SHALL NOT OBSTRUCT PASSAGE BETWEEN STALL AND ANY ACCESSIBLE WALKWAY. SEE SITE PLAN FOR LOCATIONS.



SITE ENTRY SIGNAGE DETAIL 1" = 1'-0" | 5



ACCESSIBLE PARKING SIGN 1" = 1'-0" | 4

REVISION SCHEDULE

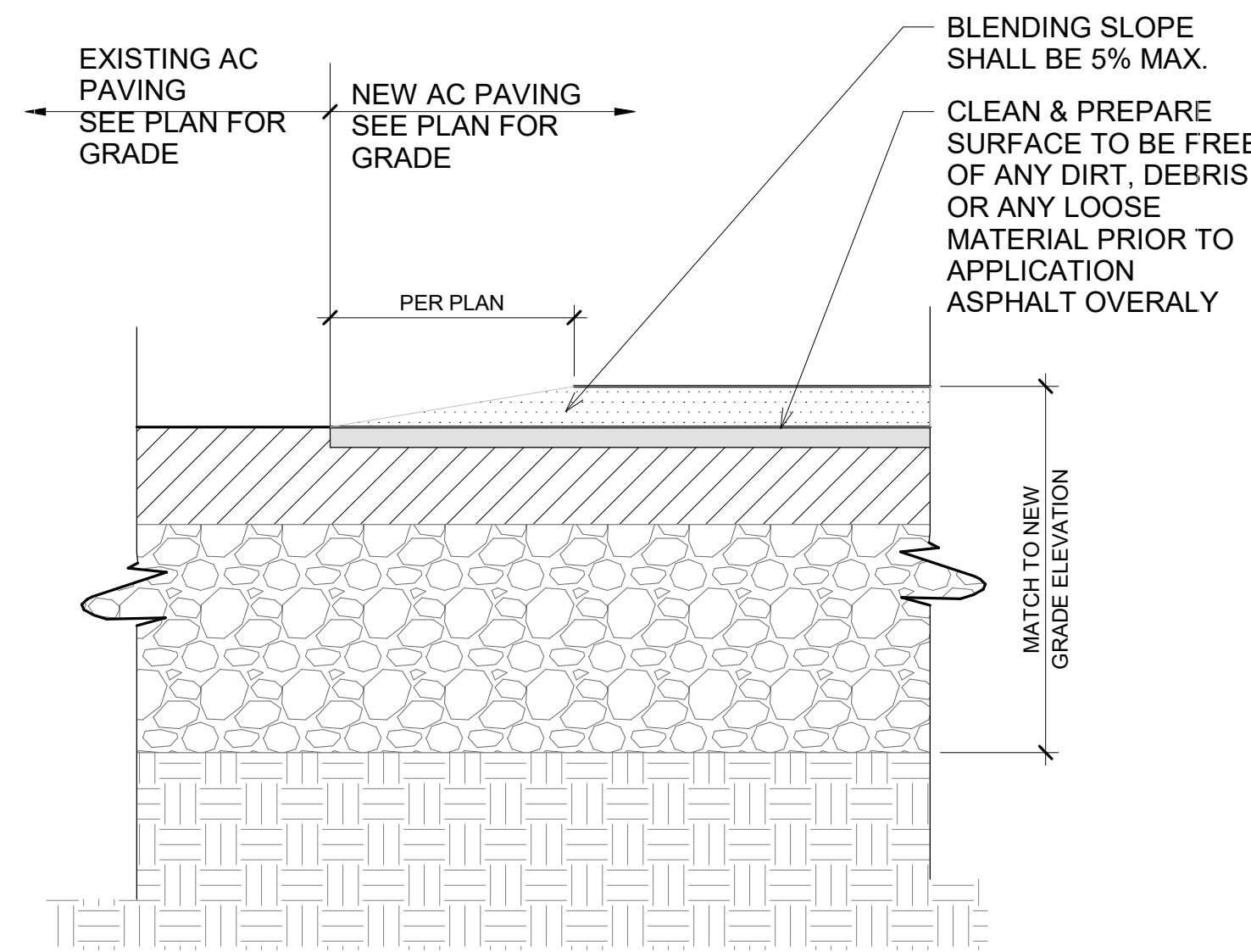
No.	Date	Description
1	7/11/2022	RECORD DRAWING SET

OPPORTUNITY 0001869149

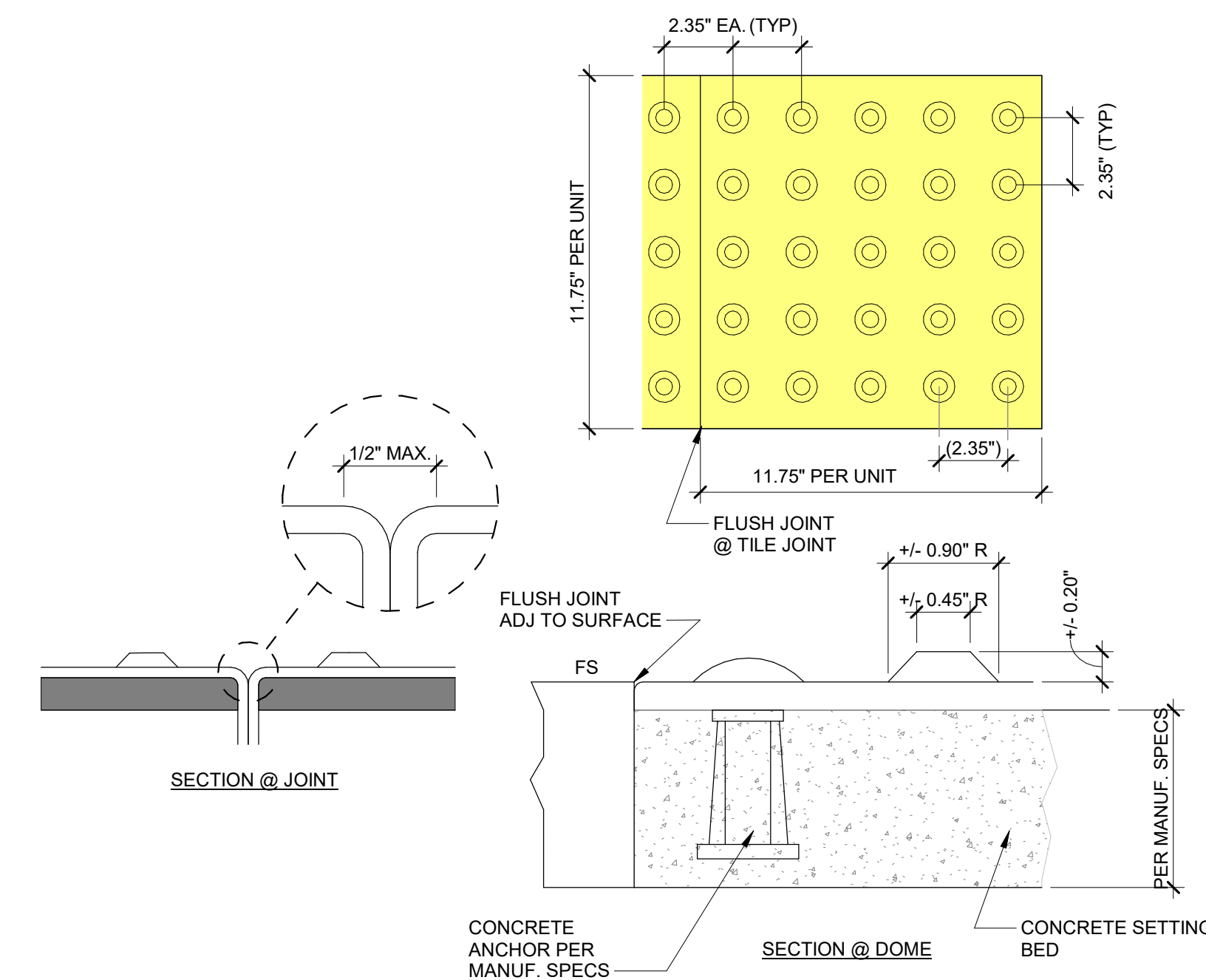
PROJECT 12107

DATE 05/18/2020

DRAWN BY Author

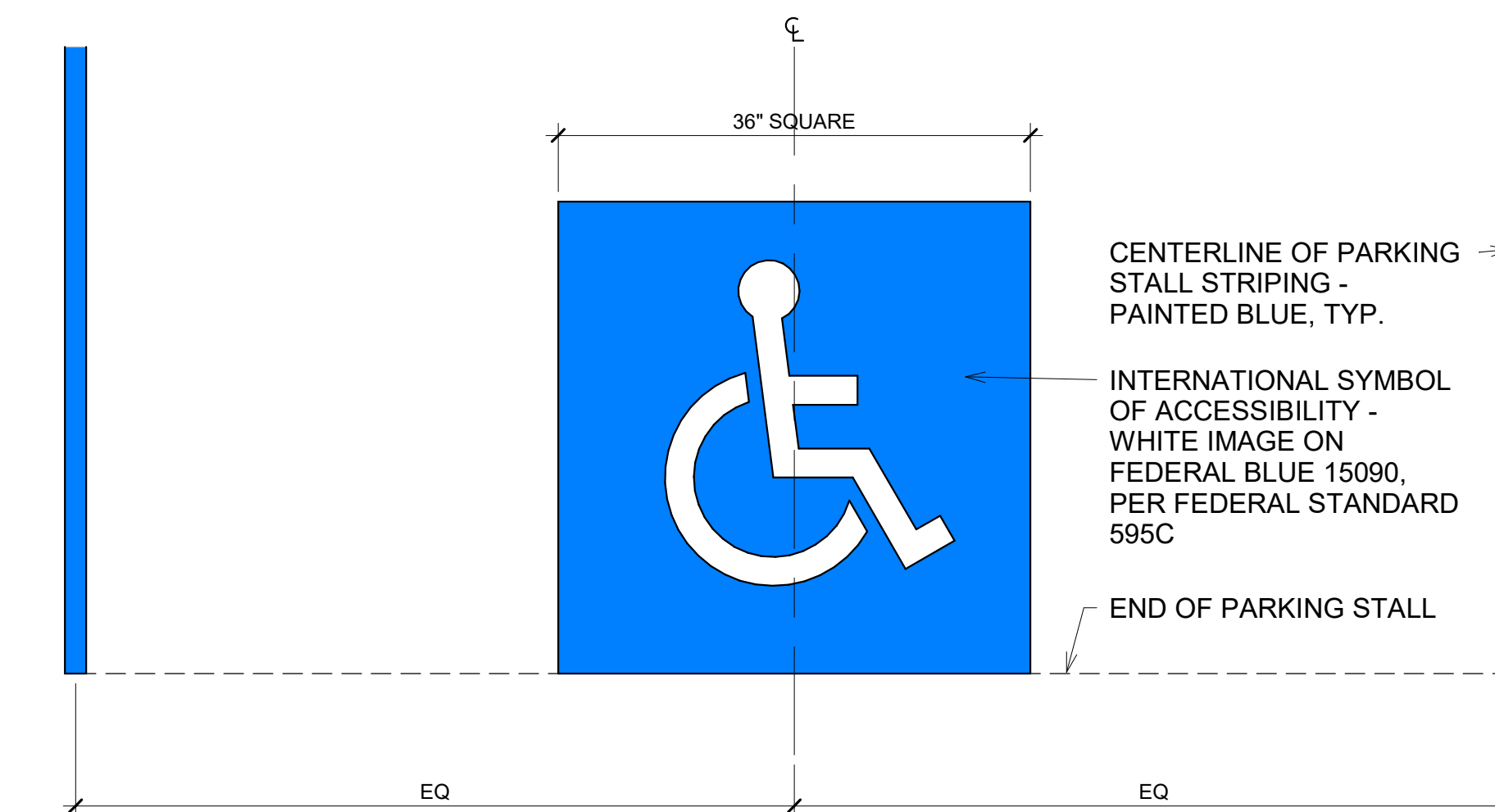


AC PAVING TRANSITION DETAIL 3" = 1'-0" 4



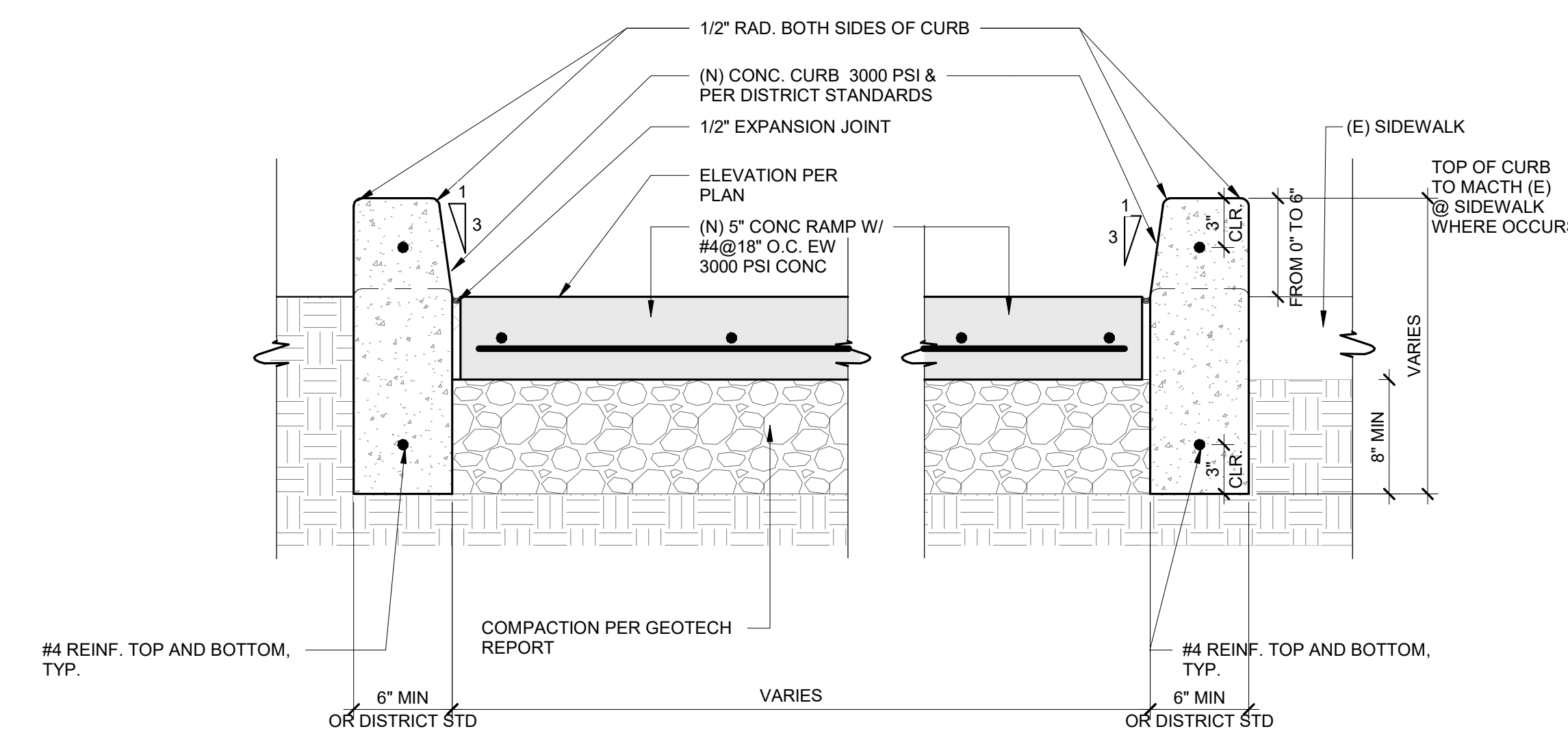
- NOTES:**
1. COMPLY WITH CBC 2019 - 11B-247 & 11B-705.1
 2. DETECTABLE WARNING AREA CAN BE SQUARE WHERE USED IN A CURB RADIUS.
 3. DETECTABLE WARNING DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PERDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
 4. DETECTABLE WARNING SURFACE SHALL EXTEND 36" IN THE DIRECTION OF TRAVEL AND FULL WIDTH OF RAMP LESS 2" MAX. EA. SIDE AND SHALL BE LOCATED SO THE EDGE NEAREST TO THE CURB IS 6" FROM FACE OF CURB. (CBC 11B-705.1.2.2)
 5. TAPERED EDGE WHERE EXPOSED
 6. DETECTABLE WARNING SURFACES (TRUNCATED DOMES) SHALL BE YELLOW AND APPROXIMATE FS 33538 OF FEDERAL STANDARD 595C
 7. PROVIDE MINIMUM 5 YEAR WARRANTY PER OSA BULLETIN 10/31/02, REVISED 04/09/08
 8. TRUNCATED DOMES SHALL BE INSTALLED WITH APPROPRIATE FASTENERS AT EACH CORNER SHEET ALONG THE EDGE INTERMITTENTLY AT 8" O.C. CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND SUNPOWER SPECIFICATIONS AS REQ'D PRIOR TO INSTALLATION.
 9. DETECTABLE WARNING TILES SHALL BE FLUSH WITH ADJACENT SURFACE MATERIAL
 10. FOR ADDITIONAL INFORMATION SEE MANUFACTURER TECHNICAL INSTALLATION ARMORCAST OR EQUAL

ACCESSIBLE WALKWAY WARNING DETAILS 1 12" = 1'-0" 1



NOTE:
ISA PARKING SYMBOL MUST BE LOCATED SO THAT IT IS VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE STALL.

ISA SYMBOL 12" = 1'-0" 2



TYP. CONCRETE CURB AT RAMP 1 1/2" = 1'-0" 3

DSA STAMP

SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE OR USE WITHOUT APPROPRIATE PERMISSION IS STRICTLY PROHIBITED.

CURRENT
DESIGN GROUP
103 Palmer Daley Way #107, Carlsbad, CA 92008
CURRENTDESIGNGROUP.COM
761.762.2800

CERTIFIED ARCHITECT
SOLAMIN PARRISH
C-34479
EXPIRES 05/31/23
STATE OF CALIFORNIA

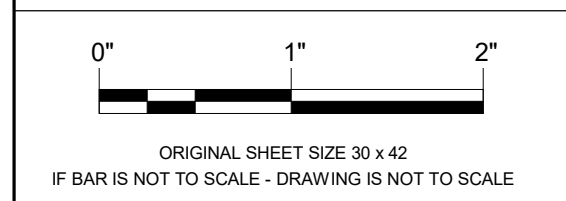
SAN DIEGO UNIFIED SCHOOL DISTRICT

**SAN DIEGO UNIFIED SCHOOL DISTRICT
LANGUAGE ACADEMY**
4981 64TH ST., SAN DIEGO, CA 92115

ACCESSIBLE DETAILS

No.	REVISION SCHEDULE	Date	DB	CR
1	RECORD DRAWING SET	7/11/2022		

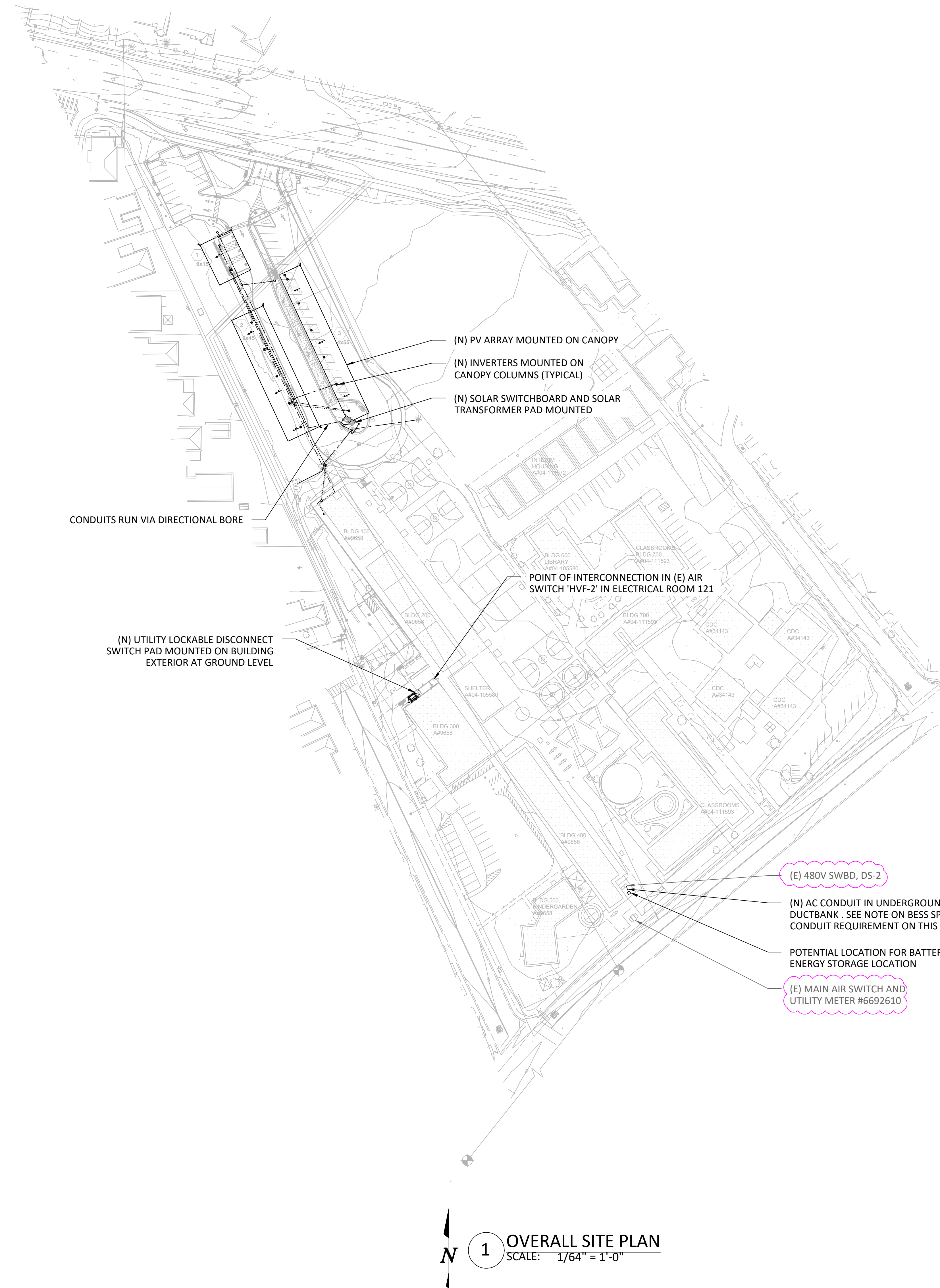
OPPORTUNITY 0001869149
PROJECT 12107
DATE 05/18/2020
DRAWN BY Author



SHEET **A501**
COPYRIGHT 2016 © SUNPOWER CORP

BESS SPARE CONDUIT REQUIREMENT:

RUN (2) 4" AND (1) 1.5" CONDUIT(S), FROM MAIN SERVICE TO PULL BOX AT POTENTIAL BESS LOCATION. CONDUIT TERMINATION LOCATION AT MAIN CABINET TO BE DETERMINED BY CONTRACTOR AND OWNER DURING DESIGN



DSA STAMP

SUNPOWER™
 1414 Harbour Way South
 Richmond, CA 94804 USA
 (510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE, OR USE WITHOUT AUTHORIZATION OF SUNPOWER CORPORATION IS STRICTLY PROHIBITED.

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. SUNPOWER CORPORATION BELIEVES THE INFORMATION TO BE RELIABLE. SUNPOWER ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THIS RECORD DRAWING THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION. SUNPOWER THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN NECESSARY VERIFICATION OF ITS ACCURACY.



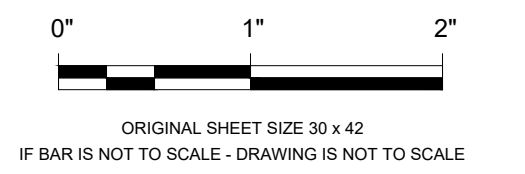
**SAN DIEGO UNIFIED
 SCHOOL DISTRICT
 LANGUAGE ACADEMY**

4961 64TH STREET
 SAN DIEGO, CA 92115

OVERALL SITE PLAN

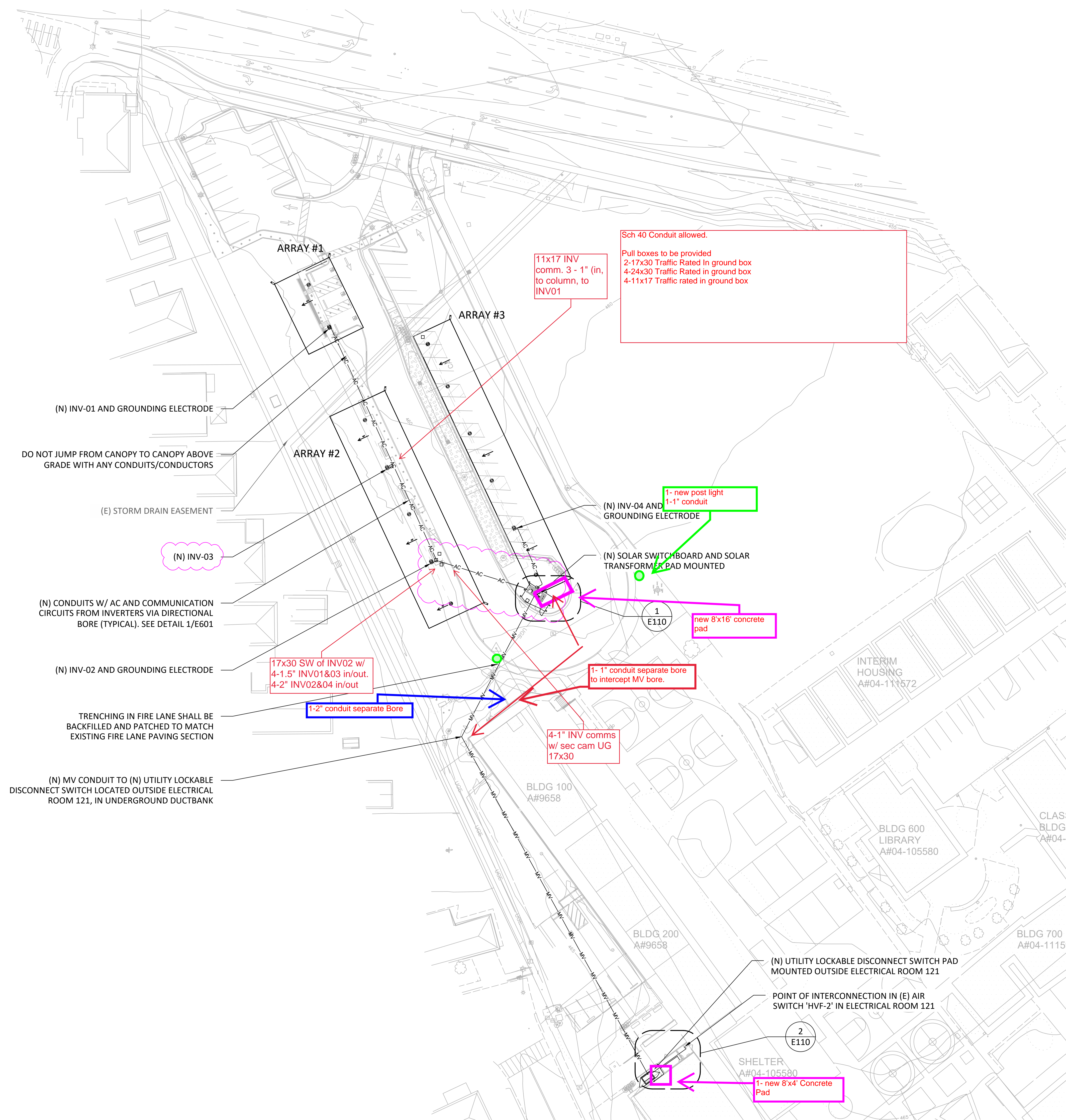
No.	REVISION SCHEDULE	Date	DB	CB
1	RECORD DRAWING SET	7/11/2022		

OPPORTUNITY 0001869149
 PROJECT 12107
 DATE 6/22/2022
 DRAWN BY AP



SHEET **E100**
COPYRIGHT 2016 © SUNPOWER CORP

1 OVERALL SITE PLAN
 SCALE: 1/64" = 1'-0"



SHEET NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR INVESTIGATING AND VERIFYING THE ACTUAL LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND FACILITIES. PROVIDE AN AUTOCAD FILE OF UNDERGROUND SURVEY TO SUNPOWER AT LEAST 48 HOURS IN ADVANCE OF THE PERFORMANCE WORK.
2. ANY EXISTING UTILITIES THAT ARE DAMAGED BY THE CONTRACTOR'S WORK SHALL BE REPAIRED AT CONTRACTOR'S COST WHETHER OR NOT UTILITIES ARE INDICATED ON SITE PLANS.
3. PATCH AND REPAIR ALL SURFACES DAMAGED BY TRENCHING TO MATCH EXISTING. ANY EXISTING PARKING STRIPING THAT IS CUT BY NEW TRENCH WORK SHALL BE REPAINTED. SEE TRENCH DETAILS FOR PAVEMENT REPAIR DETAIL.
4. TRENCH ROUTING AS SHOWN IS DIAGRAMMATIC AND CONTRACTOR MAY ADJUST TO SUIT FIELD CONDITIONS. PROVIDE SHOP DRAWINGS FOR REVIEW INDICATING ANY CHANGES TO PROPOSED ROUTING AND HANDHOLE LOCATIONS. AT UTILITY CROSSINGS ROUTE NEW TRENCHES UNDER EXISTING UTILITIES.
5. CONTRACTOR SHALL PROVIDE TRAFFIC RATED HANDHOLES FOR ALL UNDERGROUND AC ELECTRICAL RUNS EXCEEDING 270 DEGREES BENDS AND UNDERGROUND COMMUNICATION RUNS EXCEEDING 180 DEGREES AND AS REQUIRED SO AS NOT TO EXCEED THE MANUFACTURER'S CABLE PULLING TENSION. VERIFY MAXIMUM DEGREES OF BEND ALLOWABLE PER SDUS GUIDE SPECIFICATIONS. PROVIDE HANDHOLES WHETHER OR NOT INDICATED ON DRAWINGS.
6. EXPOSED CONDUITS ON ARRAYS AND ALL EXPOSED EXTERIOR LOCATIONS SHALL BE GALVANIZED RIGID STEEL.

DSA STAMP

SUNPOWER™

1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE, PHOTOCOPYING, OR ANY OTHER ACTION TAKEN WITHOUT THE WRITTEN PERMISSION OF SUNPOWER CORPORATION IS STRICTLY PROHIBITED.

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. SUNPOWER HAS BELIEVED THE INFORMATION TO BE RELIABLE. SUNPOWER ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THE RECORD DRAWING INFORMATION. SUNPOWER HAS ADVISED TO THE RECORD DRAWING THAT IT MAY BE INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION. SUNPOWER HAS ADVISED TO THE RECORD DRAWING THAT IT MAY BE INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION. SUNPOWER HAS ADVISED TO THE RECORD DRAWING THAT IT MAY BE INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION.



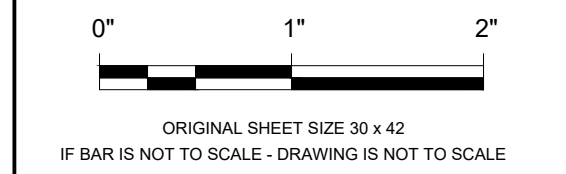
SAN DIEGO UNIFIED SCHOOL DISTRICT LANGUAGE ACADEMY

4961 GARTH STREET
SAN DIEGO, CA 92115

ELECTRICAL SITE PLAN - PV SYSTEM

No.	REVISION SCHEDULE	Date	DB	CR
1	RECORD DRAWING SET	7/11/2022		

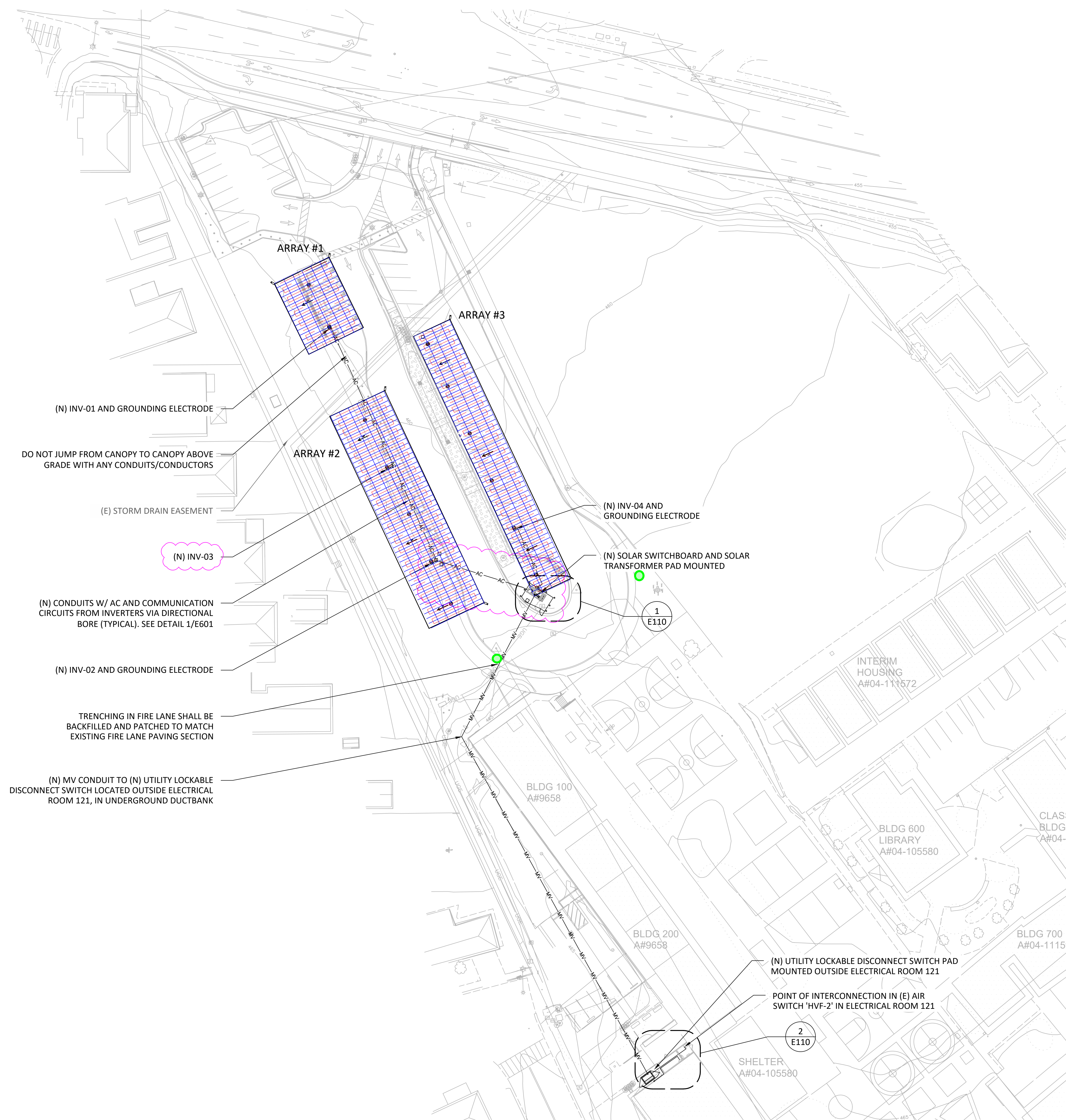
OPPORTUNITY 0001869149
PROJECT 12107
DATE 6/22/2022
DRAWN BY AP



ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE
SHEET **E101**
COPYRIGHT 2016 © SUNPOWER CORP

1 ELECTRICAL SITE PLAN - PV SYSTEM
SCALE: 1/32" = 1'-0"

LEGEND:		INVERTER LABEL	
— AC — AC —	AC CONDUIT VIA DIRECTIONAL BORE	INV-01	SEQUENCE #
---	SECURITY CAMERA CONDUIT		EQUIPMENT PREFIX
---	LIGHTING CONDUIT		
---	SPARE CONDUIT		
— MV — MV —	MV CONDUIT VIA TRENCH		
---	120V RECEPTACLE POWER CONDUIT		



(N) INV-01 AND GROUNDING ELECTRODE

DO NOT JUMP FROM CANOPY TO CANOPY ABOVE GRADE WITH ANY CONDUITS/CONDUCTORS

(E) STORM DRAIN EASEMENT

(N) INV-03

(N) CONDUITS W/ AC AND COMMUNICATION CIRCUITS FROM INVERTERS VIA DIRECTIONAL BORE (TYPICAL). SEE DETAIL 1/E601

(N) INV-02 AND GROUNDING ELECTRODE

TRENCHING IN FIRE LANE SHALL BE BACKFILLED AND PATCHED TO MATCH EXISTING FIRE LANE PAVING SECTION

(N) MV CONDUIT TO (N) UTILITY LOCKABLE DISCONNECT SWITCH LOCATED OUTSIDE ELECTRICAL ROOM 121, IN UNDERGROUND DUCTBANK

(N) INV-04 AND GROUNDING ELECTRODE

(N) SOLAR SWITCHBOARD AND SOLAR TRANSFORMER PAD MOUNTED

(N) UTILITY LOCKABLE DISCONNECT SWITCH PAD MOUNTED OUTSIDE ELECTRICAL ROOM 121

POINT OF INTERCONNECTION IN (E) AIR SWITCH 'HVF-2' IN ELECTRICAL ROOM 121

1 ELECTRICAL SITE PLAN - PV SYSTEM
SCALE: 1/32" = 1'-0"

SHEET NOTES:

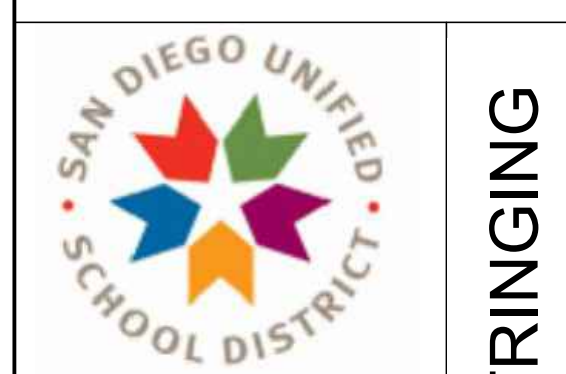
1. THE CONTRACTOR IS RESPONSIBLE FOR INVESTIGATING AND VERIFYING THE ACTUAL LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND FACILITIES. PROVIDE AN AUTOCAD FILE OF UNDERGROUND SURVEY TO SUNPOWER AT LEAST 48 HOURS IN ADVANCE OF THE PERFORMANCE WORK.
2. ANY EXISTING UTILITIES THAT ARE DAMAGED BY THE CONTRACTOR'S WORK SHALL BE REPAIRED AT CONTRACTOR'S COST WHETHER OR NOT UTILITIES ARE INDICATED ON SITE PLANS.
3. PATCH AND REPAIR ALL SURFACES DAMAGED BY TRENCHING TO MATCH EXISTING. ANY EXISTING PARKING STRIPING THAT IS CUT BY NEW TRENCH WORK SHALL BE REPAINTED. SEE TRENCH DETAILS FOR PAVEMENT REPAIR DETAIL.
4. TRENCH ROUTING AS SHOWN IS DIAGRAMMATIC AND CONTRACTOR MAY ADJUST TO SUIT FIELD CONDITIONS. PROVIDE SHOP DRAWINGS FOR REVIEW INDICATING ANY CHANGES TO PROPOSED ROUTING AND HANDHOLE LOCATIONS. AT UTILITY CROSSINGS ROUTE NEW TRENCHES UNDER EXISTING UTILITIES.
5. CONTRACTOR SHALL PROVIDE TRAFFIC RATED HANDHOLES FOR ALL UNDERGROUND AC ELECTRICAL RUNS EXCEEDING 270 DEGREES BENDS AND UNDERGROUND COMMUNICATION RUNS EXCEEDING 180 DEGREES AND AS REQUIRED SO AS NOT TO EXCEED THE MANUFACTURER'S CABLE PULLING TENSION. VERIFY MAXIMUM DEGREES OF BEND ALLOWABLE PER SDUSD GUIDE SPECIFICATIONS. PROVIDE HANDHOLES WHETHER OR NOT INDICATED ON DRAWINGS.
6. EXPOSED CONDUITS ON ARRAYS AND ALL EXPOSED EXTERIOR LOCATIONS SHALL BE GALVANIZED RIGID STEEL.

DSA STAMP

SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE, OR USE WITHOUT AUTHORIZATION OF SUNPOWER CORPORATION IS PROHIBITED.

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. SUNPOWER HAS BELIEVED TO BE RELIABLE. SUNPOWER ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THE RECORD DRAWING THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION. SUNPOWER THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY.



SAN DIEGO UNIFIED SCHOOL DISTRICT LANGUAGE ACADEMY
4961 64TH STREET
SAN DIEGO, CA 92115

ELECTRICAL SITE PLAN - STRINGING

No.	REVISION SCHEDULE	Date	DB	CB
1	RECORD DRAWING SET	7/11/2022		

OPPORTUNITY 0001869149
PROJECT 12107
DATE 6/22/2022
DRAWN BY AP

LEGEND:

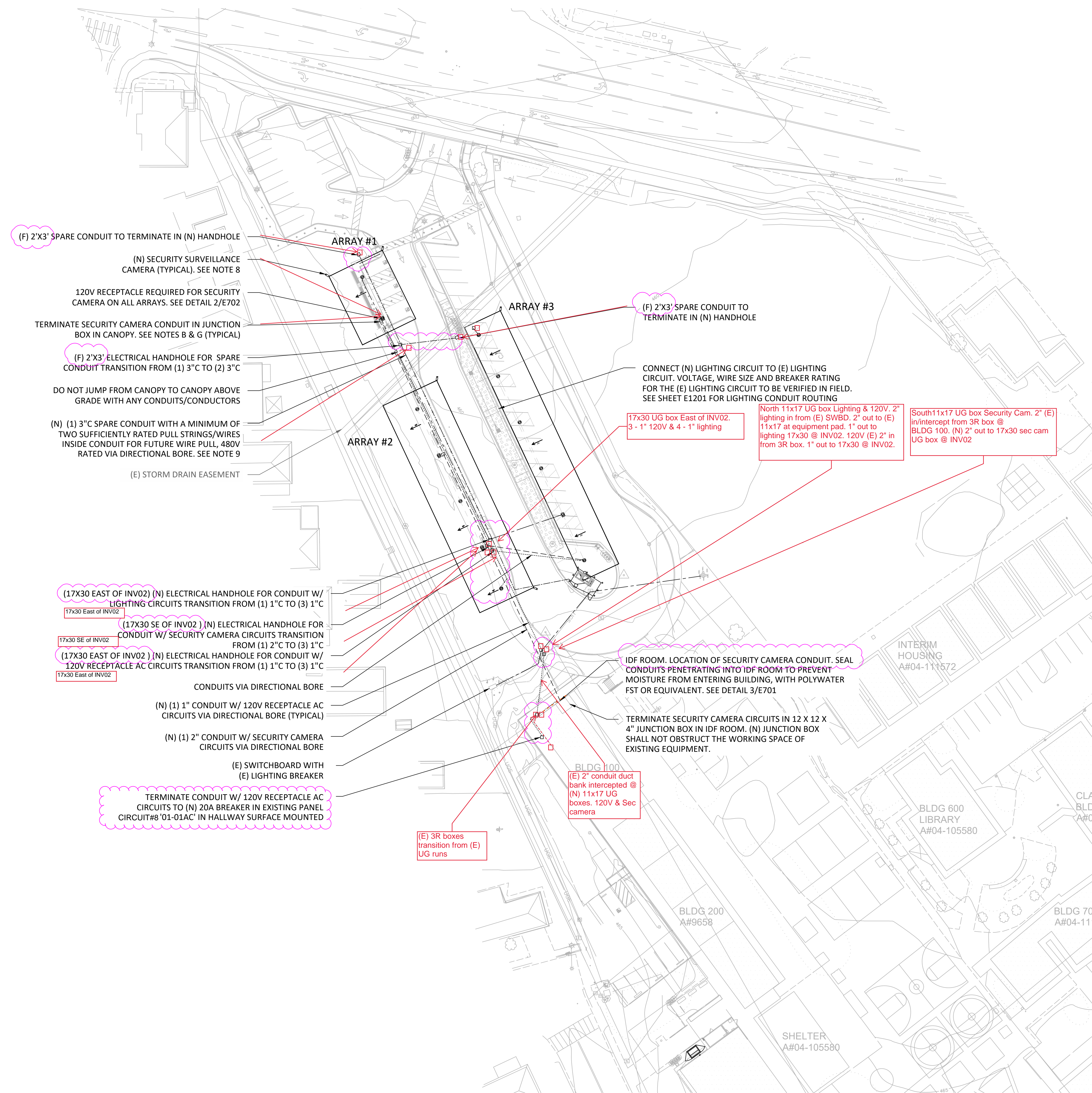
- AC — AC — AC CONDUIT VIA DIRECTIONAL BORE
- - - SECURITY CAMERA CONDUIT
- - - LIGHTING CONDUIT
- - - SPARE CONDUIT
- - - MV — MV — MV CONDUIT VIA TRENCH
- - - 120V RECEPTACLE POWER CONDUIT

INVERTER LABEL

INV-01
SEQUENCE #
EQUIPMENT PREFIX

0" 1" 2"
ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

SHEET **E101**
COPYRIGHT 2016 © SUNPOWER CORP



(F) 2'X3' SPARE CONDUIT TO TERMINATE IN (N) HANDHOLE
 (N) SECURITY SURVEILLANCE CAMERA (TYPICAL). SEE NOTE 8
 120V RECEPTACLE REQUIRED FOR SECURITY CAMERA ON ALL ARRAYS. SEE DETAIL 2/E702
 TERMINATE SECURITY CAMERA CONDUIT IN JUNCTION BOX IN CANOPY. SEE NOTES B & G (TYPICAL)
 (F) 2'X3' ELECTRICAL HANDHOLE FOR SPARE CONDUIT TRANSITION FROM (1) 3\"/>

(17X30 EAST OF INV02) (N) ELECTRICAL HANDHOLE FOR CONDUIT W/ LIGHTING CIRCUITS TRANSITION FROM (1) 1\"/>

(17X30 SE OF INV02) (N) ELECTRICAL HANDHOLE FOR CONDUIT W/ SECURITY CAMERA CIRCUITS TRANSITION FROM (1) 2\"/>

(17X30 EAST OF INV02) (N) ELECTRICAL HANDHOLE FOR CONDUIT W/ 120V RECEPTACLE AC CIRCUITS TRANSITION FROM (1) 1\"/>

CONDUITS VIA DIRECTIONAL BORE
 (N) (1) 1\"/>

(N) (1) 2\"/>

(E) SWITCHBOARD WITH (E) LIGHTING BREAKER
 TERMINATE CONDUIT W/ 120V RECEPTACLE AC CIRCUITS TO (N) 20A BREAKER IN EXISTING PANEL CIRCUIT#8 '01-01AC' IN HALLWAY SURFACE MOUNTED

(F) 2'X3' SPARE CONDUIT TO TERMINATE IN (N) HANDHOLE
 CONNECT (N) LIGHTING CIRCUIT TO (E) LIGHTING CIRCUIT. VOLTAGE, WIRE SIZE AND BREAKER RATING FOR THE (E) LIGHTING CIRCUIT TO BE VERIFIED IN FIELD. SEE SHEET E1201 FOR LIGHTING CONDUIT ROUTING
 17x30 UG box East of INV02. 3 - 1\"/>

North 11x17 UG box Lighting & 120V. 2\"/>

South 11x17 UG box Security Cam. 2\"/>

IDF ROOM. LOCATION OF SECURITY CAMERA CONDUIT. SEAL CONDUITS PENETRATING INTO IDF ROOM TO PREVENT MOISTURE FROM ENTERING BUILDING, WITH POLYWATER FST OR EQUIVALENT. SEE DETAIL 3/E701
 TERMINATE SECURITY CAMERA CIRCUITS IN 12 X 12 X 4\"/>

BLDG 100
 (E) 2\"/>

1 ELECTRICAL SITE PLAN - SECURITY CAMERA, LIGHTING AND BESS
 SCALE: 1/32" = 1'-0"

- SHEET NOTES:**
- THE CONTRACTOR IS RESPONSIBLE FOR INVESTIGATING AND VERIFYING THE ACTUAL LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND FACILITIES. PROVIDE AN AUTOCAD FILE OF UNDERGROUND SURVEY TO SUNPOWER AT LEAST 48 HOURS IN ADVANCE OF THE PERFORMANCE WORK.
 - ANY EXISTING UTILITIES THAT ARE DAMAGED BY THE CONTRACTOR'S WORK SHALL BE REPAIRED AT CONTRACTOR'S COST WHETHER OR NOT UTILITIES ARE INDICATED ON SITE PLANS.
 - PATCH AND REPAIR ALL SURFACES DAMAGED BY TRENCHING TO MATCH EXISTING. ANY EXISTING PARKING STRIPING THAT IS CUT BY NEW TRENCH WORK SHALL BE REPAIRED. SEE TRENCH DETAILS FOR PAVEMENT REPAIR DETAIL.
 - TRENCH ROUTING AS SHOWN IS DIAGRAMMATIC AND CONTRACTOR MAY ADJUST TO SUIT FIELD CONDITIONS. PROVIDE SHOP DRAWINGS FOR REVIEW INDICATING ANY CHANGES TO PROPOSED ROUTING AND HANDHOLE LOCATIONS. AT UTILITY CROSSINGS ROUTE NEW TRENCHES UNDER EXISTING UTILITIES.
 - CONTRACTOR SHALL PROVIDE TRAFFIC RATED HANDHOLES FOR ALL UNDERGROUND AC ELECTRICAL RUNS EXCEEDING 270 DEGREES BENDS AND UNDERGROUND COMMUNICATION RUNS EXCEEDING 180 DEGREES AND AS REQUIRED SO AS NOT TO EXCEED THE MANUFACTURER'S CABLE PULLING TENSION. VERIFY MAXIMUM DEGREES OF BEND ALLOWABLE PER SDUSD GUIDE SPECIFICATIONS. PROVIDE HANDHOLES WHETHER OR NOT INDICATED ON DRAWINGS.
 - EXPOSED CONDUITS ON ARRAYS AND ALL EXPOSED EXTERIOR LOCATIONS SHALL BE GALVANIZED RIGID STEEL.
 - STUB AND CAP SPARE CONDUIT OUTSIDE SWITCHBOARD, 6\"/>

- SECURITY CAMERA REQUIREMENTS:**
- PROVIDE CONDUIT PATHWAY FOR DISTRICT'S SURVEILLANCE CAMERAS AS FOLLOWS:
- 1\"/>

ELECTRICAL HANDHOLE SIZE (IN INCHES)	
HANDHOLE FOR BESS CONDUIT	17 X 30 X 24
HANDHOLE FOR SECURITY CAMERA CONDUIT	11 X 17 X 24
HANDHOLE FOR 120V RECEPTACLE CONDUIT	11 X 17 X 24
HANDHOLE FOR LIGHTING CONDUIT	17 X 30 X 24
HANDHOLE FOR SPARE CONDUIT	24 X 36 X 24

SEE DETAIL 8/E601 FOR ADDITIONAL HANDHOLE SPECIFICATIONS

LEGEND:

— AC — AC	AC CONDUIT VIA DIRECTIONAL BORE	INV-01	INVERTER LABEL
---	SECURITY CAMERA CONDUIT	---	SEQUENCE #
---	LIGHTING CONDUIT	---	EQUIPMENT PREFIX
---	SPARE CONDUIT		
— MV — MV	MV CONDUIT VIA TRENCH		
---	120V RECEPTACLE POWER CONDUIT		

DSA STAMP

SUNPOWER™
 1414 Harbour Way South
 Richmond, CA 94804 USA
 (510) 540-0550

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. SUNPOWER SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF THE RECORD DRAWING. SUNPOWER SHALL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR PERSONS THAT MAY BE INCURRED AS A RESULT OF INCORRECT INFORMATION OR OMISSIONS IN THIS RECORD DOCUMENT. SUNPOWER'S LIABILITY IS LIMITED TO THE ACCURACY OF ITS INFORMATION.

SAN DIEGO UNIFIED SCHOOL DISTRICT LANGUAGE ACADEMY

ELECTRICAL SITE PLAN - SECURITY CAMERA, LIGHTING AND BESS

REVISION SCHEDULE
 RECORD DRAWING SET
 7/11/2022

OPPORTUNITY 0001869149
 PROJECT 12107
 DATE 6/22/2022
 DRAWN BY AP

0" 1" 2"
 ORIGINAL SHEET SIZE 30" x 42"
 IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

SHEET **E102**
 COPYRIGHT 2016 © SUNPOWER CORP

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. THE ENGINEER HAS BELIEVED TO BE REASONABLY ACCURATE. SUNPOWER ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THE RECORD DRAWING INTO IT AS A RESULT OF INCORRECT INFORMATION THAT MAY HAVE BEEN INCORPORATED INTO IT. SUNPOWER, THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY.

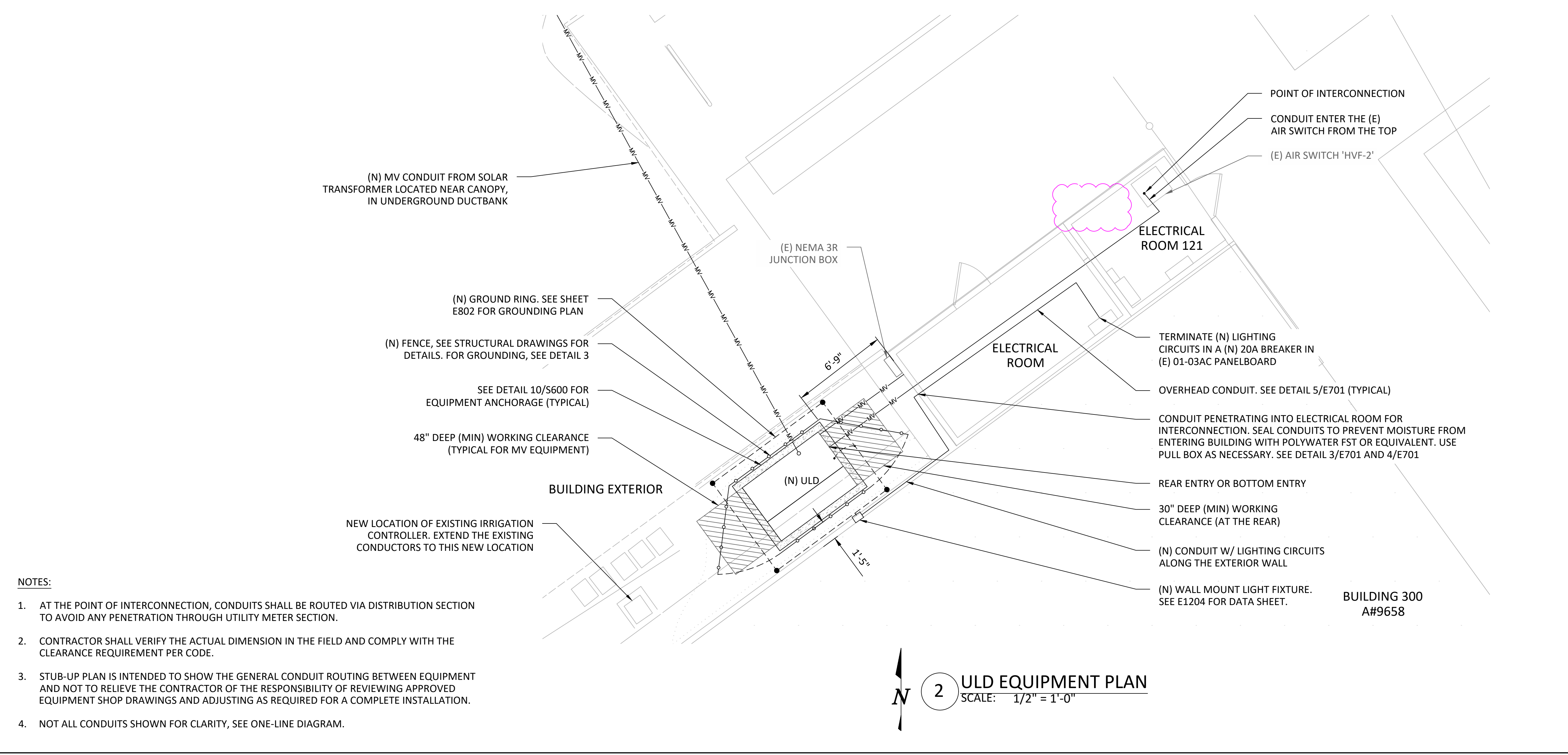
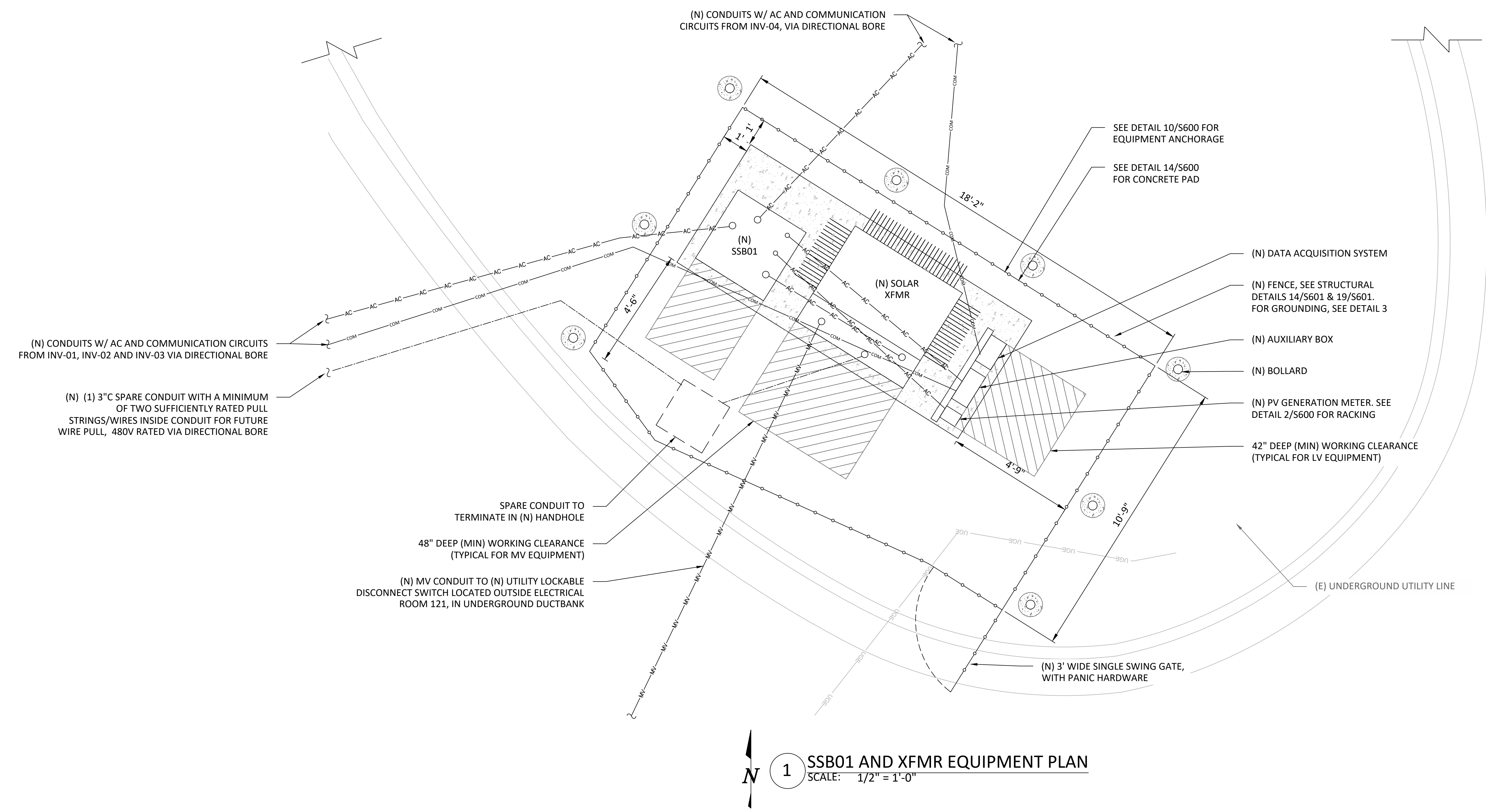


SAN DIEGO UNIFIED SCHOOL DISTRICT LANGUAGE ACADEMY
4961 64TH STREET
SAN DIEGO, CA 92115

EQUIPMENT LAYOUT

REVISION SCHEDULE	No.	Date	Description
RECORD DRAWING SET		7/11/2022	

OPPORTUNITY	0001869149
PROJECT	12107
DATE	6/22/2022
DRAWN BY	AP
<p>ORIGINAL SHEET SIZE 30 x 42 IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE</p>	
SHEET	E110
<small>COPYRIGHT 2016 © SUNPOWER CORP</small>	



LEGEND:

— AC — AC	AC CONDUIT
— SECURITY CAMERA CONDUIT	SECURITY CAMERA CONDUIT
— LIGHTING CONDUIT	LIGHTING CONDUIT
— SPARE CONDUIT	SPARE CONDUIT
— MV — MV	MV CONDUIT
— 120V RECEPTACLE POWER CONDUIT	120V RECEPTACLE POWER CONDUIT
— COM —	COMMUNICATION CONDUIT

INVERTER LABEL

INV-01

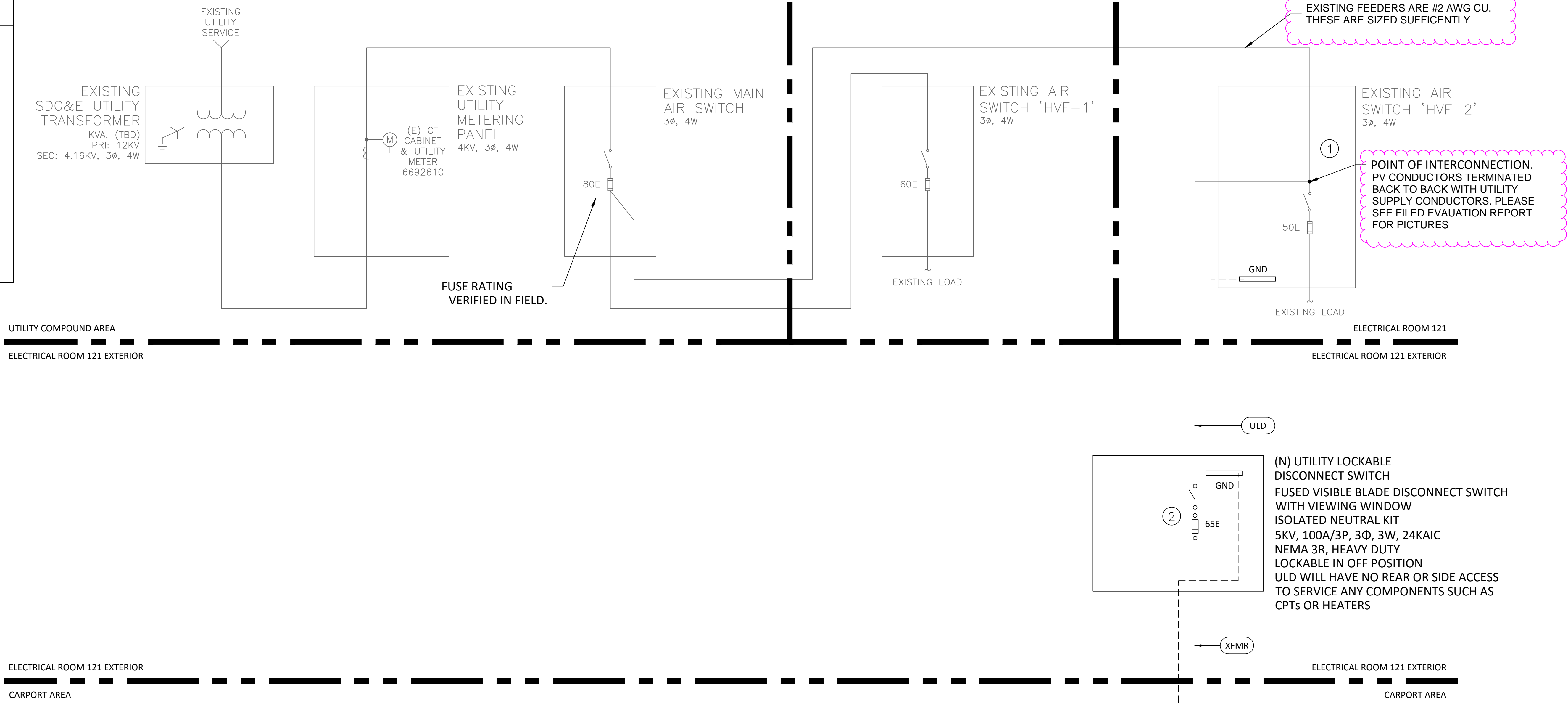
SEQUENCE #

EQUIPMENT PREFIX

- NOTES:**
- AT THE POINT OF INTERCONNECTION, CONDUITS SHALL BE ROUTED VIA DISTRIBUTION SECTION TO AVOID ANY PENETRATION THROUGH UTILITY METER SECTION.
 - CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSION IN THE FIELD AND COMPLY WITH THE CLEARANCE REQUIREMENT PER CODE.
 - STUB-UP PLAN IS INTENDED TO SHOW THE GENERAL CONDUIT ROUTING BETWEEN EQUIPMENT AND NOT TO RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF REVIEWING APPROVED EQUIPMENT SHOP DRAWINGS AND ADJUSTING AS REQUIRED FOR A COMPLETE INSTALLATION.
 - NOT ALL CONDUITS SHOWN FOR CLARITY, SEE ONE-LINE DIAGRAM.

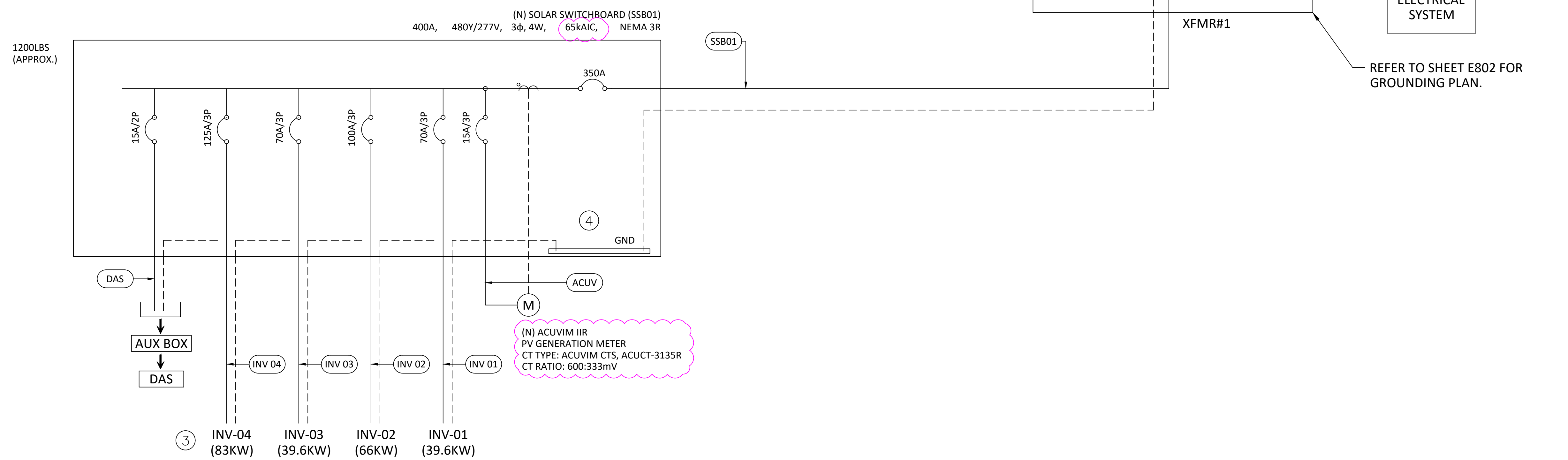
SPECIFIC ELECTRICAL NOTES:

- ① LOAD SIDE TAP PER CEC ART. 705.12(B). BUS CONNECTIONS SHALL BE RELISTED BY A 3RD PARTY TESTING AGENCY IF THE CONNECTION IS NOT IN ACCORDANCE WITH THE LISTING OF THE EQUIPMENT.
- ② GANG OPERATED, LOCKABLE, VISIBLE OPEN DISCONNECT
- ③ ALL INVERTERS ARE LISTED TO UL 1741SA WITH INTEGRAL ARC-FAULT PROTECTION AND RAPID SHUT-DOWN TO INCORPORATE ANTI-ISLANDING AND THE FOLLOWING PROTECTIONS: (50) (51) (51a) (59) (27) (81a) (81b)
- ④ NEUTRAL BUS SHALL NOT BE BONDED TO THE GROUND BUS AND SHALL BE ISOLATED FROM THE ENCLOSURE UNLESS OTHERWISE SPECIFIED



SYSTEM SUMMARY	
MODULE TYPE	SPR-E20-435-COM
TOTAL MODULES	580
DC SIZE (KW)	252.3
INVERTER #	4
AC SIZE (KW)	228.2

ARRAY SUMMARY							
ARRAY#	INVERTER#	INVERTER TYPE	STRING LENGTH	# OF STRING	# OF MODULES	DC SIZE (KW)	AC SIZE (KW)
1	INV 01	M36U_121	10	9	90	39.15	39.6
2	INV 02	M60U_121	10	18	180	78.3	66
	INV 03	M36U_121	10	9	90	39.15	39.6
3	INV 04	M80U_121	10	22	220	95.7	83
TOTAL				58	580	252.3	228.2



DSA STAMP

SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS TO BE RELIABLE. SUNPOWER ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THE RECORD DRAWING INTO IT AS A RESULT OF INCORRECT INFORMATION THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN AN INDEPENDENT VERIFICATION OF ITS ACCURACY.



SAN DIEGO UNIFIED SCHOOL DISTRICT LANGUAGE ACADEMY

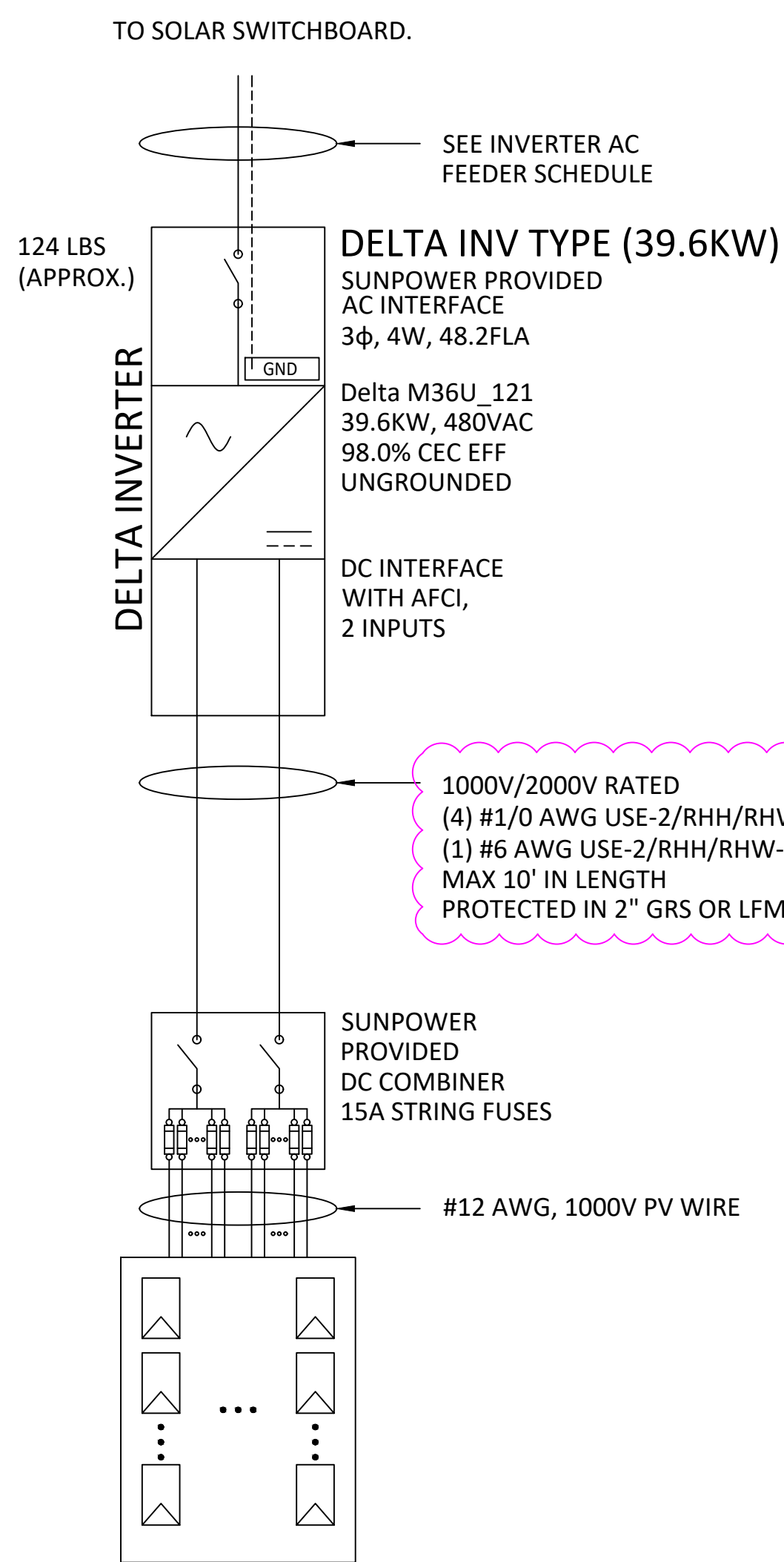
4961 GARTH STREET
SAN DIEGO, CA 92115

ELECTRICAL SINGLE LINE DIAGRAM

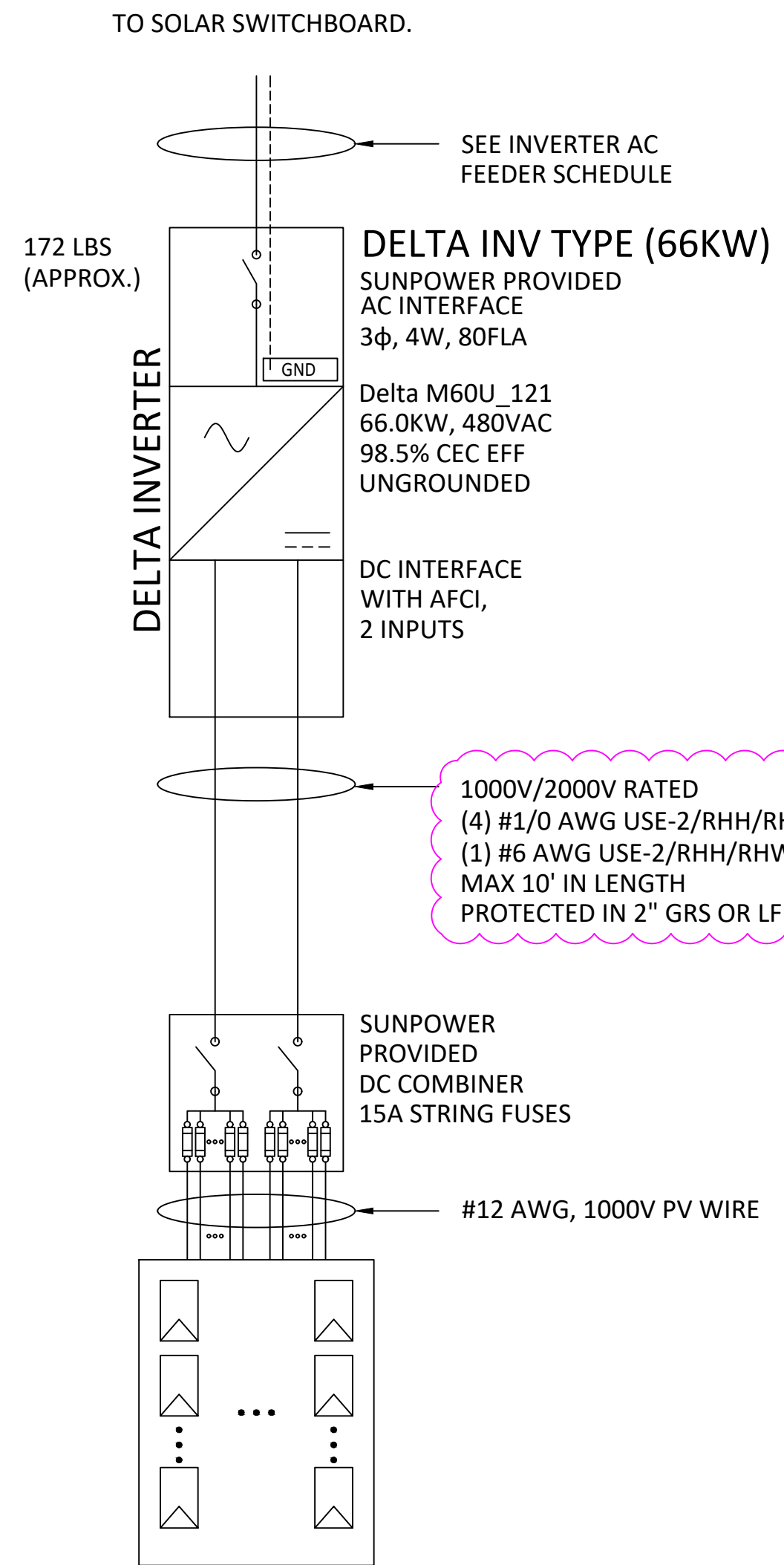
REVISION SCHEDULE	No.	Date	Description
RECORD DRAWING SET		7/11/2022	

OPPORTUNITY 0001869149
PROJECT 12107
DATE 6/22/2022
DRAWN BY AP

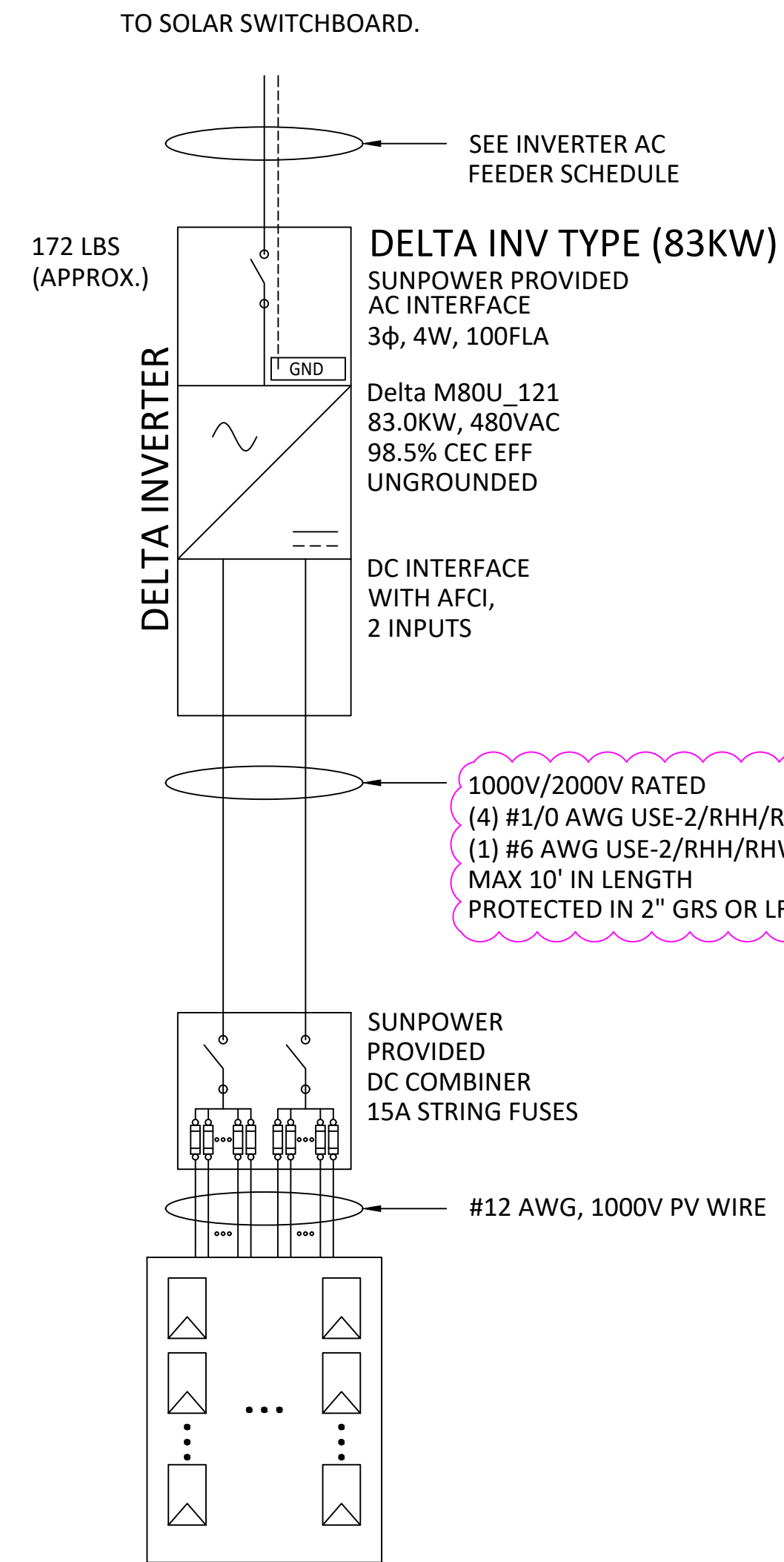
- GENERAL ELECTRICAL NOTES:**
- REFER TO INVERTER MANUFACTURER INSTALLATION MANUAL FOR STRING INVERTER CONNECTION DETAILS.
 - REFER TO FA DRAWINGS FOR PV STRING CONNECTION DETAILS AND INVERTER MOUNTING DETAILS.



**TYPICAL 39.6KW
INVERTER
CONFIGURATION**



**TYPICAL 66KW
INVERTER
CONFIGURATION**



**TYPICAL 83KW
INVERTER
CONFIGURATION**

1 TYPICAL INVERTER CONFIGURATIONS
SCALE: NTS

MODULE SPECIFICATIONS	
Make/Model	SPR-E20-435-COM
Power [W]	435
Isc [A]	6.43
Imp [A]	5.97
Voc [V]	85.60
Vmp [V]	72.90
β Voc [%/degC]	-0.236%

MV FEEDER CALCULATIONS																
CIRCUIT	EQUIPMENT SUPPLIED	FED FROM	VOLTAGE	FULL LOAD AMPS 'FLA'	FLA x 1.25	OCPD SIZE	GROUND SIZE (600V)	# OF CIRCUITS IN DUCTBANK	CONDUCTOR SIZE	C.O.U. DERATE AMBIENT TEMP	FEEDER LENGTH (FEET)	CONDUIT, GRS	CONDUIT, PVC SCH 80	FULL CONDUCTOR SPEC	SEGMENT VOLTAGE DROP AT FLA	TOTAL VOLTAGE DROP AT FLA
ULD	UTILITY LOCKABLE DISCONNECT SWITCH	INTERCONNECTION POINT	4160	41.6	52.0	65E	CU #6	1	CU #2	1.00	50	3.5"	N/A	(3)#2 CU MV-90 TAPE SHIELD 5KV 133% EPR. INCLUDE (1)CU #6G (600V)	0.02%	0.02%
XFMR	SOLAR TRANSFORMER	UTILITY LOCKABLE DISCONNECT SWITCH	4160	41.6	52.0	65E	CU #6	1	CU #2	1.00	450	N/A	4"	(3)#2 CU MV-90 TAPE SHIELD 5KV 133% EPR. INCLUDE (1)CU #6G (600V)	0.16%	0.18%

AC FEEDER CALCULATIONS																			
CIRCUIT	EQUIPMENT SUPPLIED	FED FROM	VOLTAGE	FULL LOAD AMPS 'FLA'	FLA x 1.25	OCPD SIZE	GROUND SIZE	CONDUCTORS PER PHASE AND NEUTRAL	NEUTRAL CONDUCTOR SIZE	PHASE CONDUCTOR SIZE	75° AMPACITY	C.O.U. DERATE AMBIENT TEMP	C.O.U. DERATE CONDUIT FILL	90° AMPACITY WITH C.O.U.	FEEDER LENGTH (FEET)	SEGMENT VOLTAGE DROP AT FLA	TOTAL VOLTAGE DROP AT FLA	GRS	PVC80
SSB01	SOLAR SWITCHBOARD 'SSB01'	SOLAR TRANSFORMER	480	276.4	346.0	350	CU #2	1	CU 500MCM	CU 500MCM	380	1.00	1.00	430.0	25	0.07%	0.25%	3.5"	4"
INV 01	INVERTER 'INV-01'	SOLAR SWITCHBOARD 'SSB01'	480	48.2	60.0	70	CU #4	1	CU #4	CU #4	85	1.00	1.00	95.0	320	1.73%	1.98%	1.25"	1.5"
INV 02	INVERTER 'INV-02'	SOLAR SWITCHBOARD 'SSB01'	480	80.0	100.0	100	CU #6	1	CU #1	CU #1	130	1.00	1.00	145.0	220	1.02%	1.27%	2"	2"
INV 03	INVERTER 'INV-03'	SOLAR SWITCHBOARD 'SSB01'	480	48.2	60.0	70	CU #6	1	CU #6	CU #6	65	1.00	1.00	75.0	150	1.28%	1.53%	1"	1.25"
INV 04	INVERTER 'INV-04'	SOLAR SWITCHBOARD 'SSB01'	480	100.0	125.0	125	CU #6	1	CU #1	CU #1	130	1.00	1.00	145.0	90	0.52%	0.77%	2"	2"
DAS	AUXILIARY BOX & DAS	SOLAR SWITCHBOARD 'SSB01'	480	1.0	1.0	15	CU #12	1	CU #12	CU #12	25	1.00	1.00	30.0	20	0.01%	0.27%	3/4"	3/4"
ACUV	PV PRODUCTION METER	SOLAR SWITCHBOARD 'SSB01'	480	1.0	1.0	15	CU #12	1	CU #12	CU #12	25	1.00	1.00	30.0	20	0.01%	0.27%	3/4"	3/4"

AVERAGE AC VOLTAGE DROP FROM POI TO INVERTERS: 1.39%

DSA STAMP

SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. THE ENGINEER HAS BELIEVED TO BE REASONABLE. SUNPOWER ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THIS RECORD DRAWING OR THE INFORMATION CONTAINED HEREIN. IT IS THE RESPONSIBILITY OF THE USER TO VERIFY THE INFORMATION INTO IT AS A RESULT OF INCORPORATING THIS RECORD DRAWING INTO ANY RECORD DOCUMENT. SUNPOWER, THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO VERIFY THE INFORMATION FOR THE ACCURACY OF ITS ACCURACY.



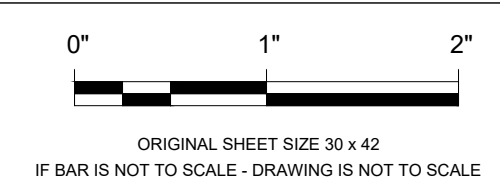
**SAN DIEGO UNIFIED
SCHOOL DISTRICT
LANGUAGE ACADEMY**

4961 64TH STREET
SAN DIEGO, CA 92115

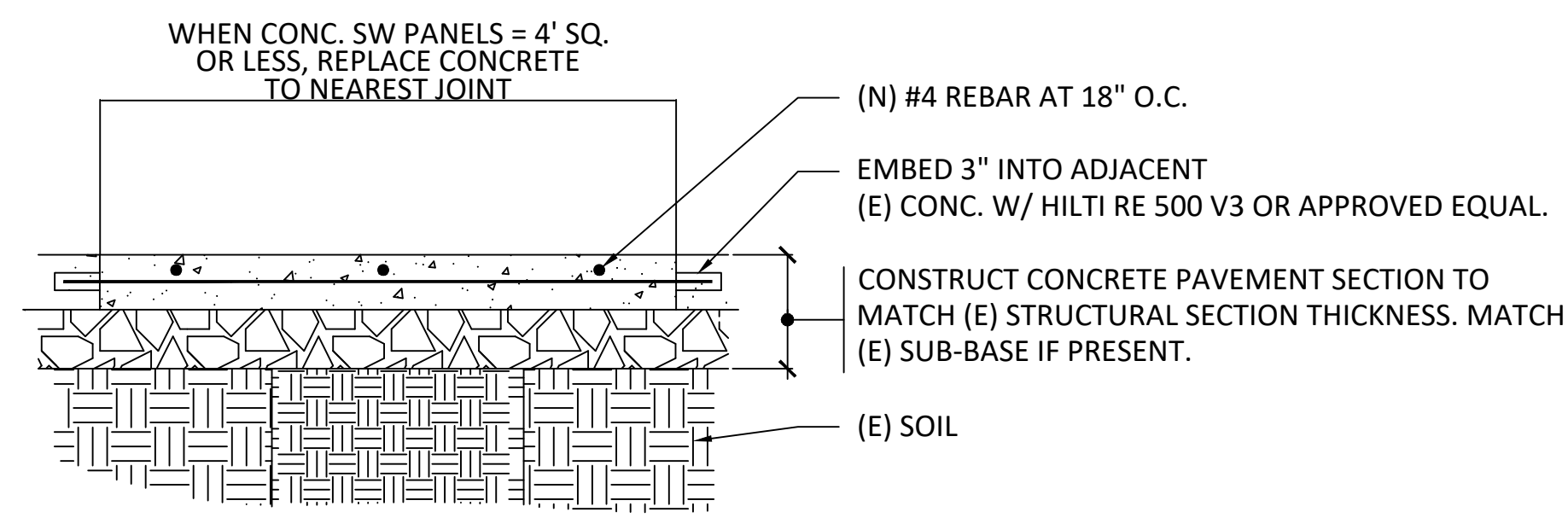
DC WIRING SCHEMATIC

No.	Date	Description
1	7/11/2022	RECORD DRAWING SET

OPPORTUNITY 0001869149
PROJECT 12107
DATE 6/22/2022
DRAWN BY AP



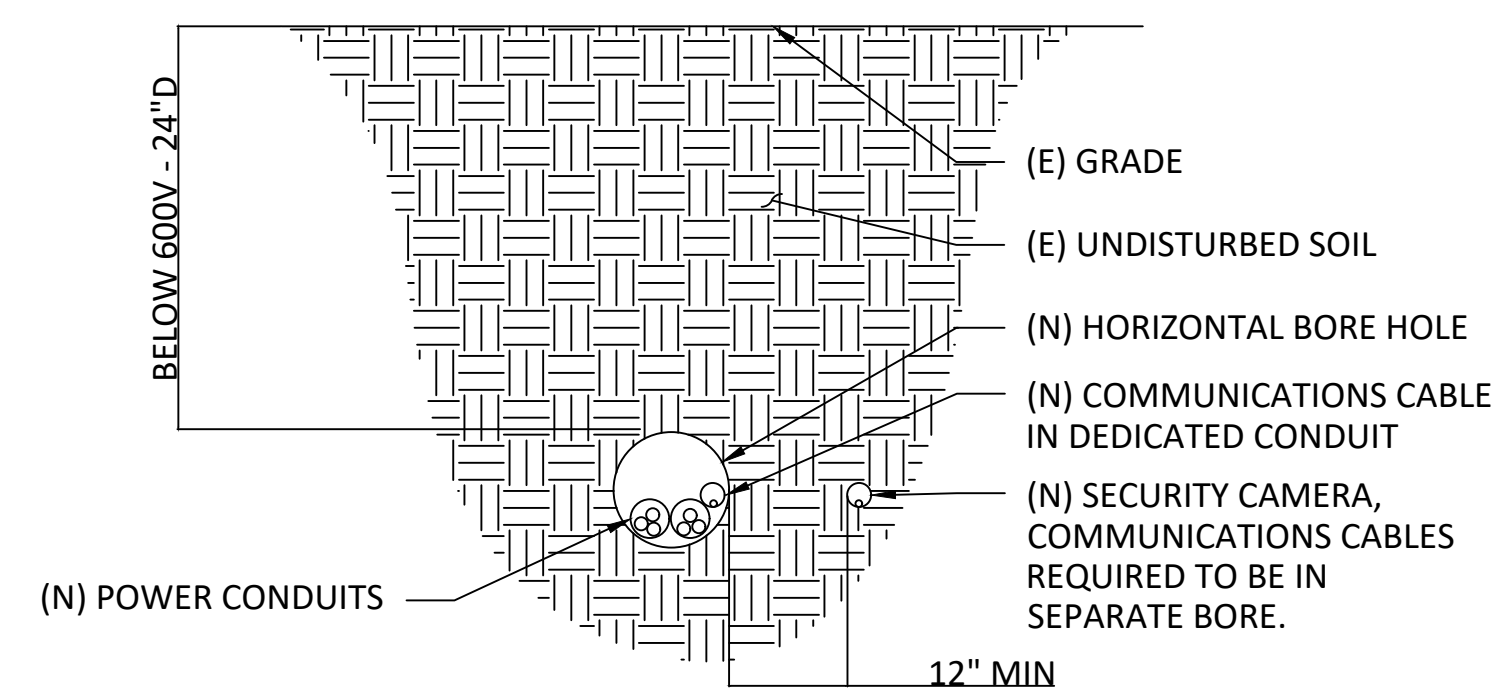
ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE
SHEET **E301**
COPYRIGHT 2016 © SUNPOWER CORP



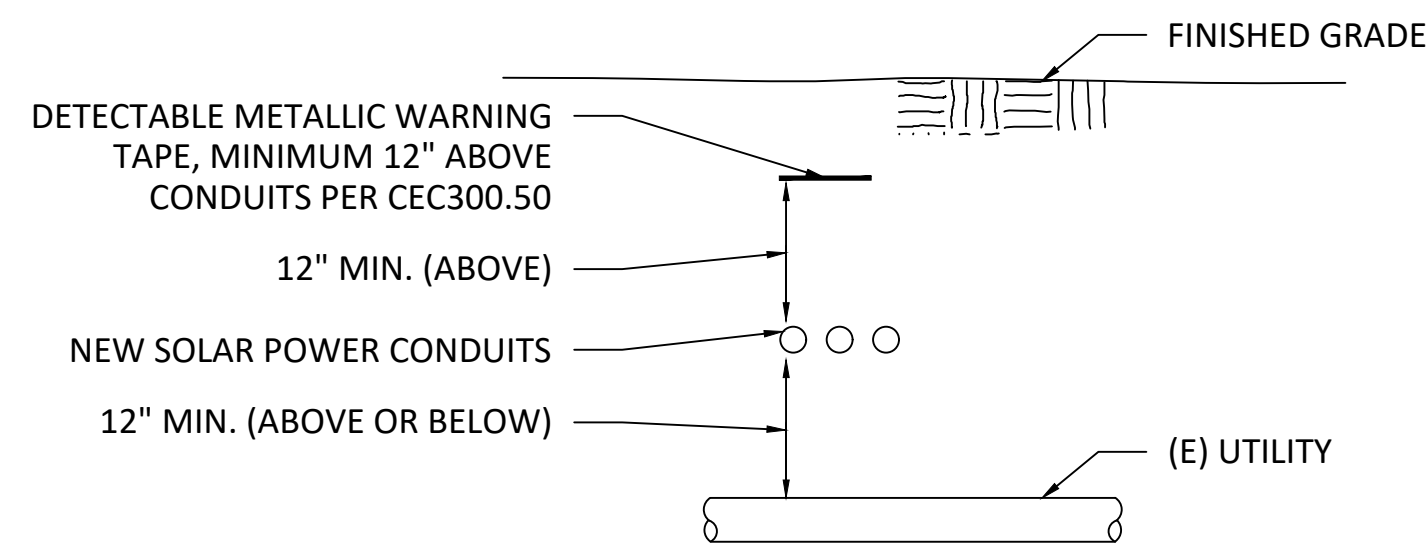
6 PATCHING DETAIL
SCALE: NTS

HORIZONTAL BORING NOTES:

- BACKFILL SHALL BE PLACED AND DENSIFIED TO A MINIMUM OF 90 PERCENT OF RELATIVE COMPACTION FROM 1 FOOT ABOVE THE TOP OF THE CONDUIT TO THE SURFACE. SEE GEOTECH REPORT DATED 22/11/2019 FOR MORE INFORMATION.
- CONDUIT SHALL BE HDPE.
- A SINGLE BORE CASING SHALL NOT HAVE MORE THAN 2 POWER CONDUITS.
- REFER TO DIRECTIONAL BORING REQUIREMENTS IN RFP.



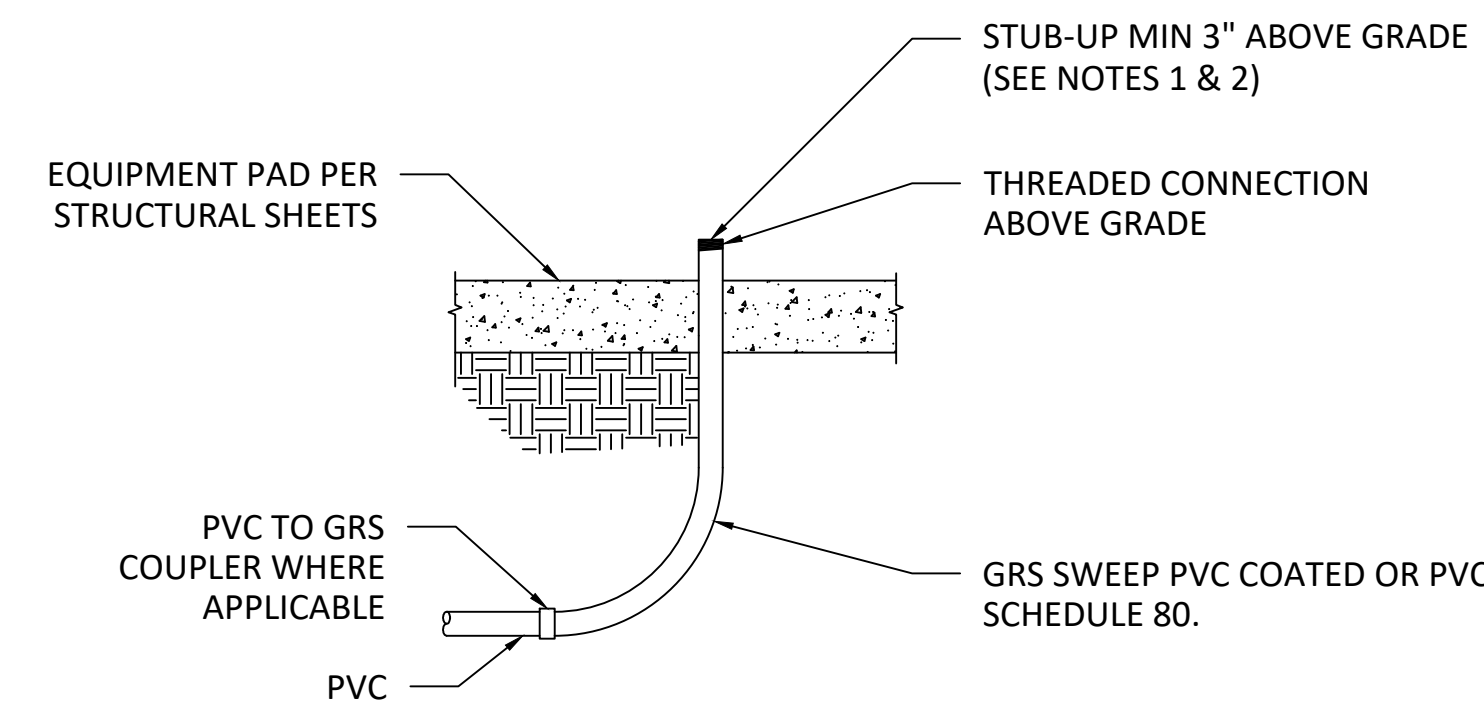
4 TYPICAL DIRECTIONAL BORING DETAIL
SCALE: NTS



7 TYPICAL UTILITY CROSSING DETAIL
SCALE: NTS

EQUIPMENT PAD NOTES:

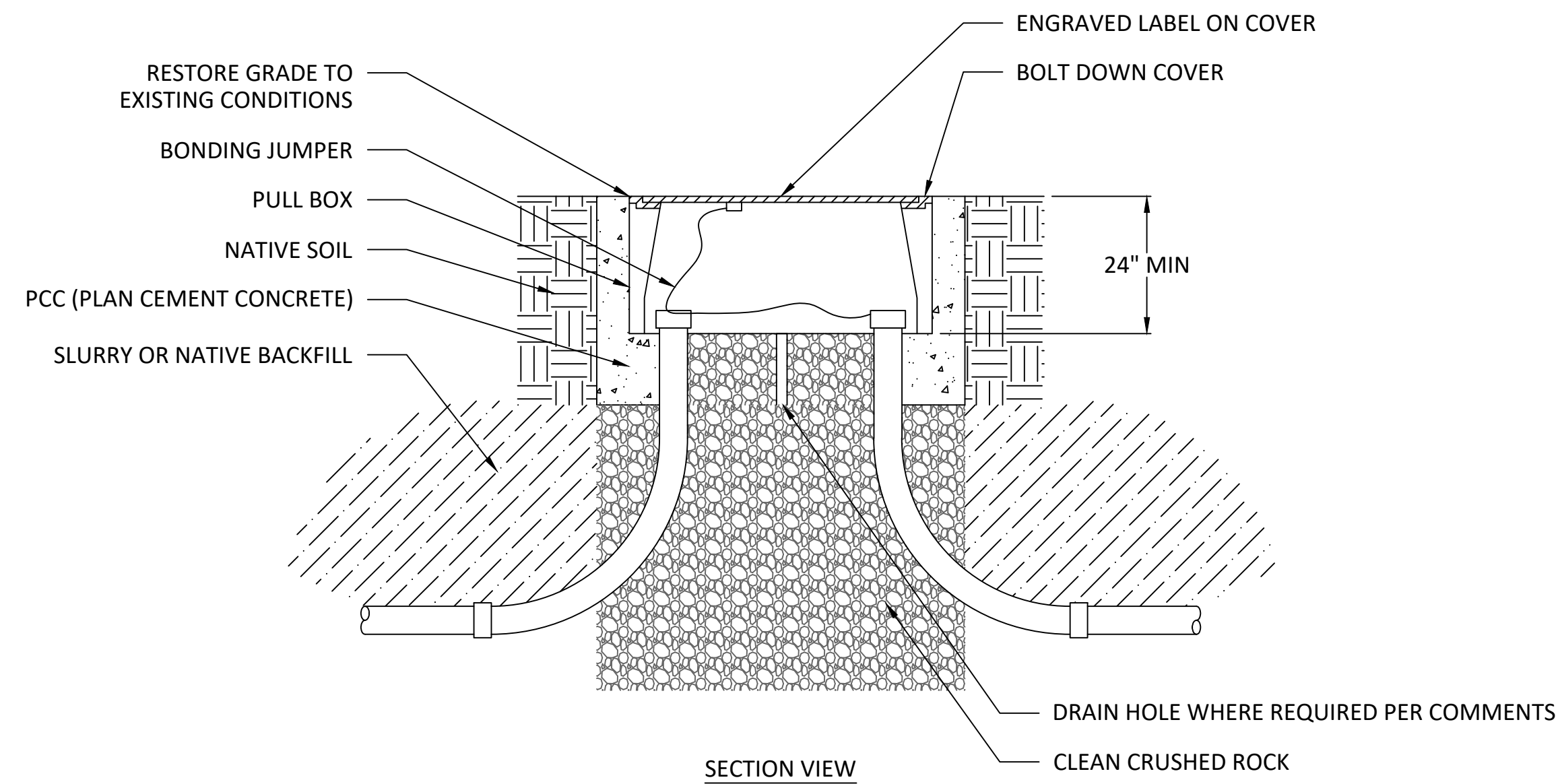
- INSTALL CONDUIT CAP ON STUB-UP UNTIL GEAR IS SET.
- INSTALL ROUNDED FITTING BEFORE PULLING CABLES TO AVOID DAMAGE TO CABLES.
- ALL PVC CONDUITS ARE SCHEDULE 40 UNLESS NOTED OTHERWISE



5 EQUIPMENT PAD STUB-UP DETAIL
SCALE: NTS

NOTES:

- BOXES FOR USE IN UNDERGROUND SYSTEMS SHALL BE DESIGNED AND IDENTIFIED AS DEFINED IN CEC, FOR INTENDED LOCATION AND APPLICATION. BOXES INSTALLED IN WET AREAS SHALL BE LISTED AND LABELED AS DEFINED IN CEC, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED LOCATION AND APPLICATION. BOXES TO BE USED IN ROADWAYS OR AREAS FREQUENTLY SUBJECT HEAVY VEHICULAR TRAFFIC SHALL BE SUBMITTED TO EOR FOR APPROVAL.
- INSTALL HANDHOLES AND BOXES LEVEL AND PLUMB WITH ORIENTATION AND DEPTH COORDINATED WITH CONNECTING CONDUITS TO MINIMIZE BENDS AND DEFLECTIONS REQUIRED FOR PROPER ENTRANCES. MINIMUM BURIAL DEPTHS OF CONDUITS IS 24" BELOW FINISHED GRADE.
- UNLESS OTHERWISE INDICATED, SUPPORT UNITS ON A 6" THICK LEVEL BED OF CRUSHED STONE OR GRAVEL, GRADED FROM 3/4" SIEVE TO NO. 4 SIEVE AND COMPACTED TO SAME DENSITY AS ADJACENT UNDISTURBED EARTH.
- FIELD-CUT OPENINGS FOR CONDUITS ACCORDING TO ENCLOSURE MANUFACTURER'S WRITTEN INSTRUCTIONS. CUT WALL OF ENCLOSURE WITH A TOOL DESIGNED FOR MATERIAL TO BE CUT. SIZE HOLES FOR TERMINATING FITTINGS TO BE USED, AND SEAL AROUND PENETRATIONS AFTER FITTINGS ARE INSTALLED.
- BONDING FOR METALLIC COVERS OF POWER HANDHOLES SHALL BE PROVIDED PER CEC 314.30(D). BONDING JUMPER FOR METAL COVERS SHALL BE 3' LONG, MINIMUM.
- CONDUIT KNOCKOUTS SHALL BE DRILLED OR PUNCHED ON SITE, QUANTITIES AND SIZES TO MATCH TRENCH PLAN AND COMBINER SCHEDULE.
- BONDING JUMPER TO METALLIC LID SHALL BE SIZED TO MATCH EQUIPMENT GROUND OF LARGEST FEEDER CONTAINED PER 250.96(A).
- **SEOR TO REVIEW/APPROVE DETAIL PRIOR TO INSTALLATION**

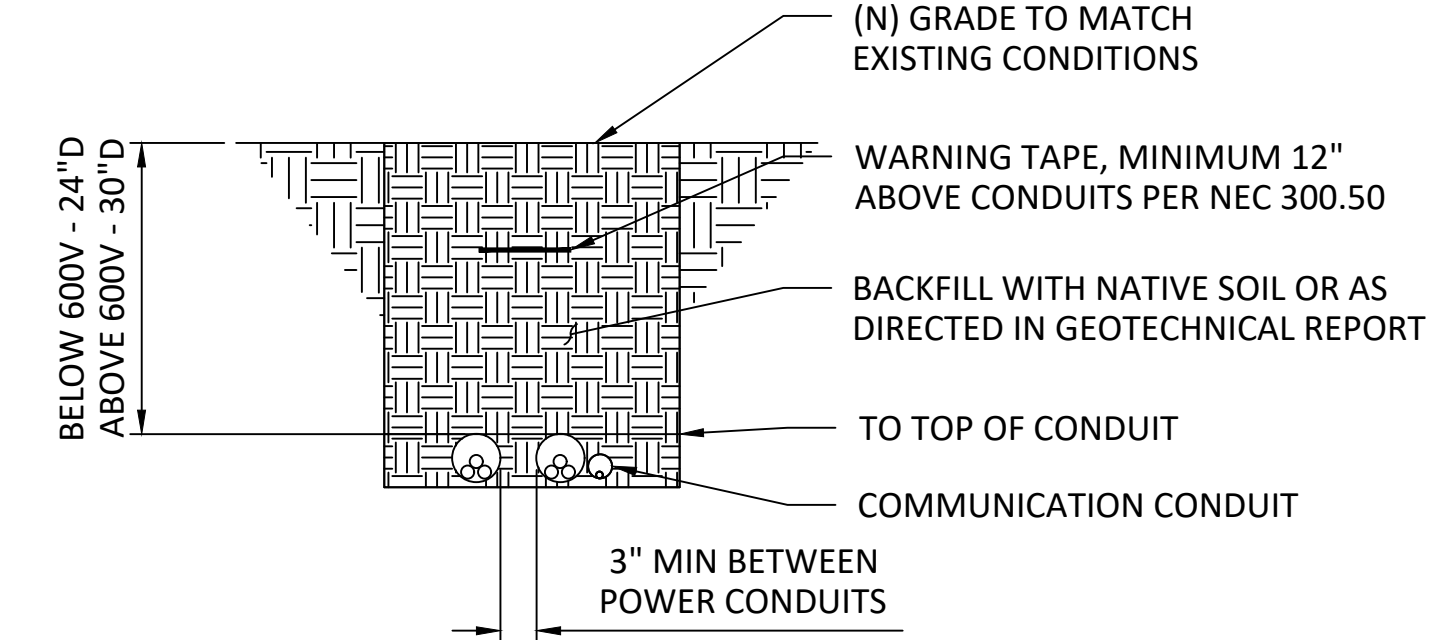


8 TYPICAL HANDHOLE DETAIL
SCALE: NTS

TRENCHING NOTES:

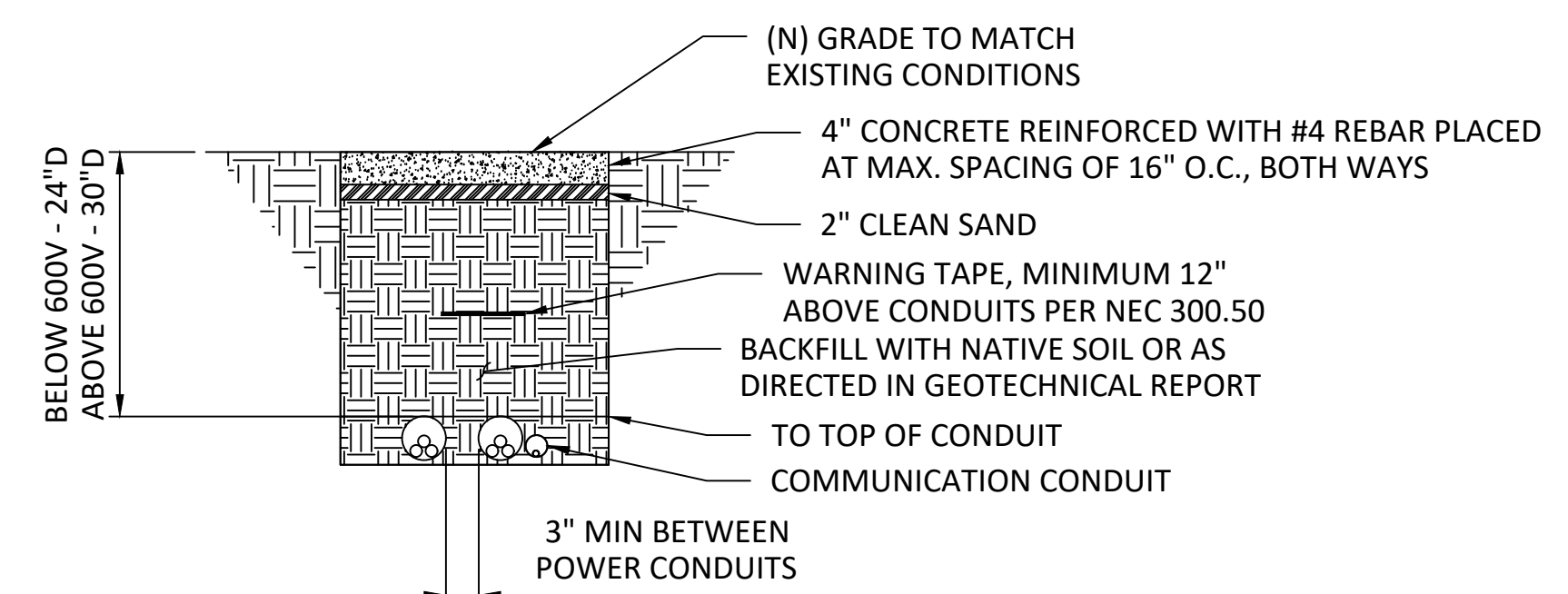
- DUCT FOR ELECTRICAL CABLES MORE THAN 600 V: CONCRETE ENCASEMENT SHALL BE 3000 PSI, WITH RED DYE ADDED AND WITH THREE INCHES OF COVER ON ALL SIDES FOR ALL DUCT BANKS OF MORE THAN 600 V REGARDLESS OF LOCATIONS.
- DUCT FOR ELECTRICAL FEEDERS 600 V AND LESS: CONCRETE ENCASEMENT SHALL BE TWO SACK SLURRY WITH RED DYE AND IS REQUIRED FOR ALL 600 V AND LESS FEEDERS UNDER DRIVEWAYS AND PATHWAYS DESIGNED FOR VEHICULAR TRAFFIC, EXCLUDING EMERGENCY VEHICLES. ASPHALT SURFACED PLAYGROUNDS AND VEHICLE ENTRY GATES ARE NOT CONSIDERED A PATH OR DRIVEWAY. CONCRETE ENCASEMENT SHALL BE A MINIMUM OF 3 INCHES OF COVER ON ALL SIDES. ALL OTHER DUCT BANKS OPERATING AT LESS THAN 600 V SHALL HAVE 3 INCHES OF SAND BASE AND 6 INCHES OF SAND COVER AND COMPACTED NATIVE SOIL ON TOP.
- DUCT FOR ELECTRICAL BRANCH CIRCUITS: ALL DUCTS FOR BRANCH CIRCUITS SHALL HAVE 2 INCHES OF SAND BASE AND 3 INCHES OF SAND COVER AND COMPACTED NATIVE SOIL ON TOP.
- REFER TO TRENCHING REQUIREMENTS IN RFP.
- TRENCHING IN FIRE LANE SHALL BE BACKFILLED AND PATCHED TO MATCH EXISTING FIRE LANE PAVING SECTION.

TRENCHING TO MATCH EXISTING SECTION PER A# 04- 111593



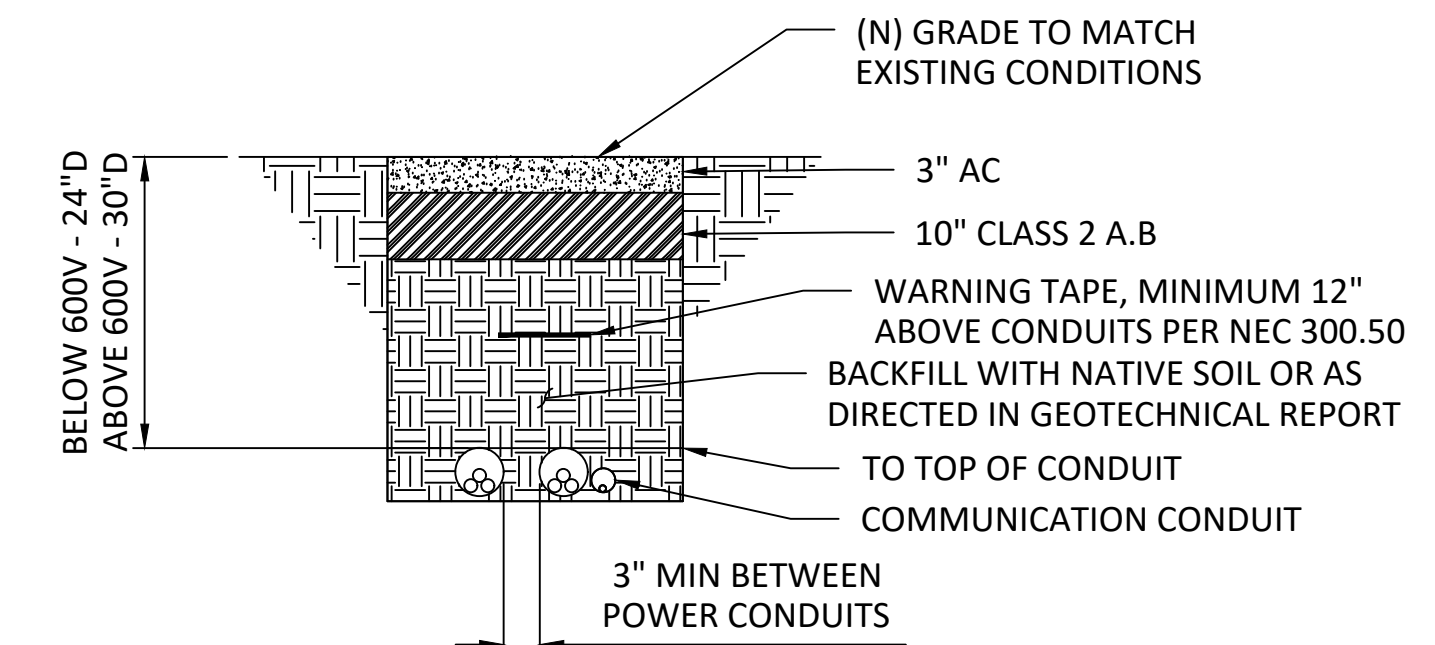
1 TYPICAL (DIRT) TRENCH DETAIL
SCALE: NTS

TRENCHING TO MATCH EXISTING SECTION PER A# 04- 111593



2 TYPICAL (WALKWAY) TRENCH DETAIL
SCALE: NTS

TRENCHING TO MATCH EXISTING SECTION PER A# 04- 111593



3 TYPICAL (FIRE LANE) TRENCH DETAIL
SCALE: NTS

SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE, OR USE WITHOUT AUTHORIZATION OF SUNPOWER CORPORATION IS STRICTLY FORBIDDEN.

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. SUNPOWER CORPORATION BELIEVES TO BE REASONABLY RELIABLE. SUNPOWER ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THE RECORD DRAWING INTO IT AS A RESULT OF INCORRECT INFORMATION THAT MAY HAVE BEEN INCORPORATED INTO IT. SUNPOWER THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN NECESSARY VERIFICATION OF ITS ACCURACY.



SAN DIEGO UNIFIED SCHOOL DISTRICT LANGUAGE ACADEMY

4961 GARTH STREET
SAN DIEGO, CA 92115

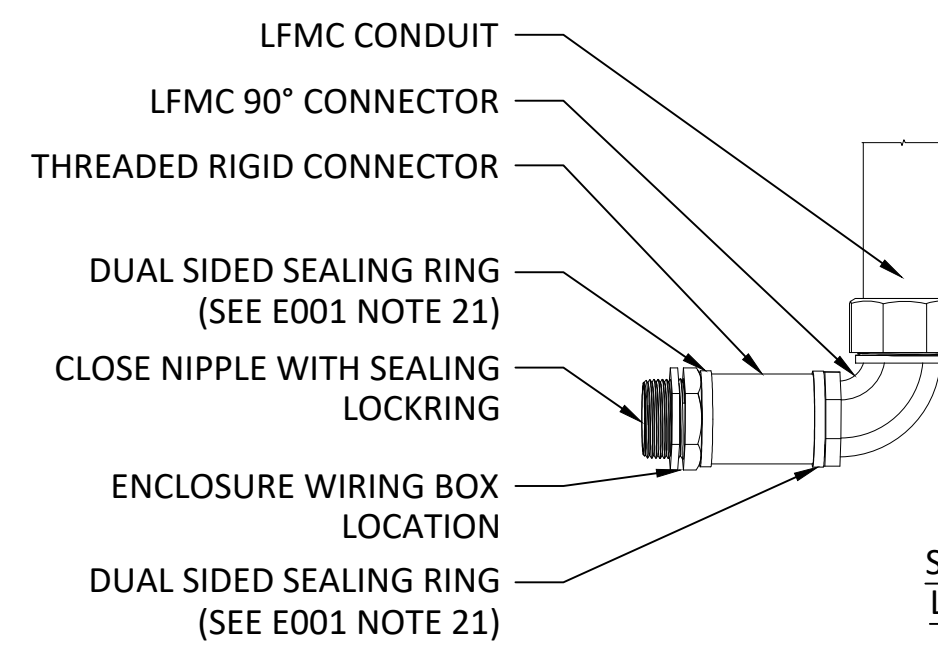
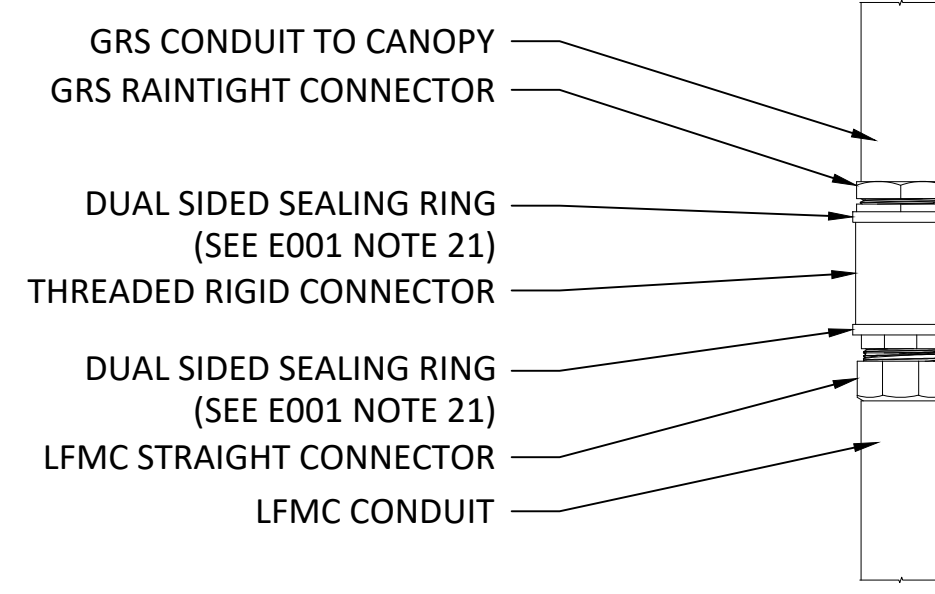
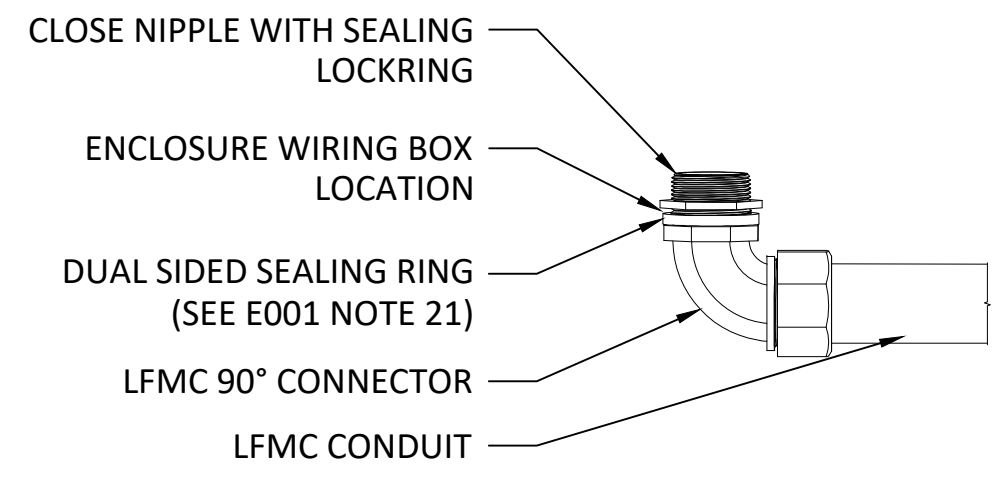
TRENCHING DETAILS

REVISION SCHEDULE	No.	Description	Date	DB	CR
RECORD DRAWING SET	1		7/17/2022		

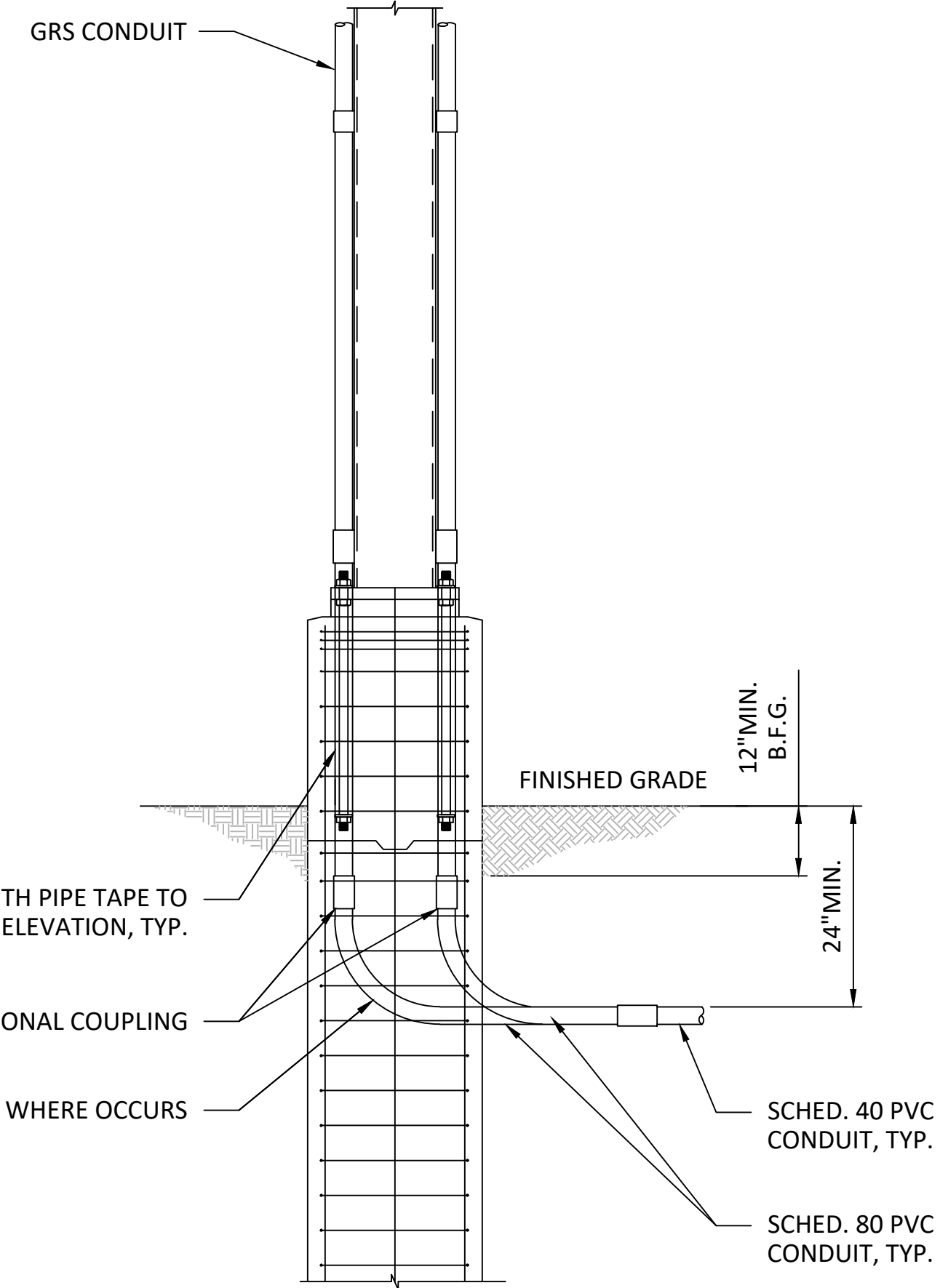
OPPORTUNITY 0001889149
PROJECT 12107
DATE 6/22/2022
DRAWN BY AP

0" 1" 2"
ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

SHEET **E601**
COPYRIGHT 2016 © SUNPOWER CORP

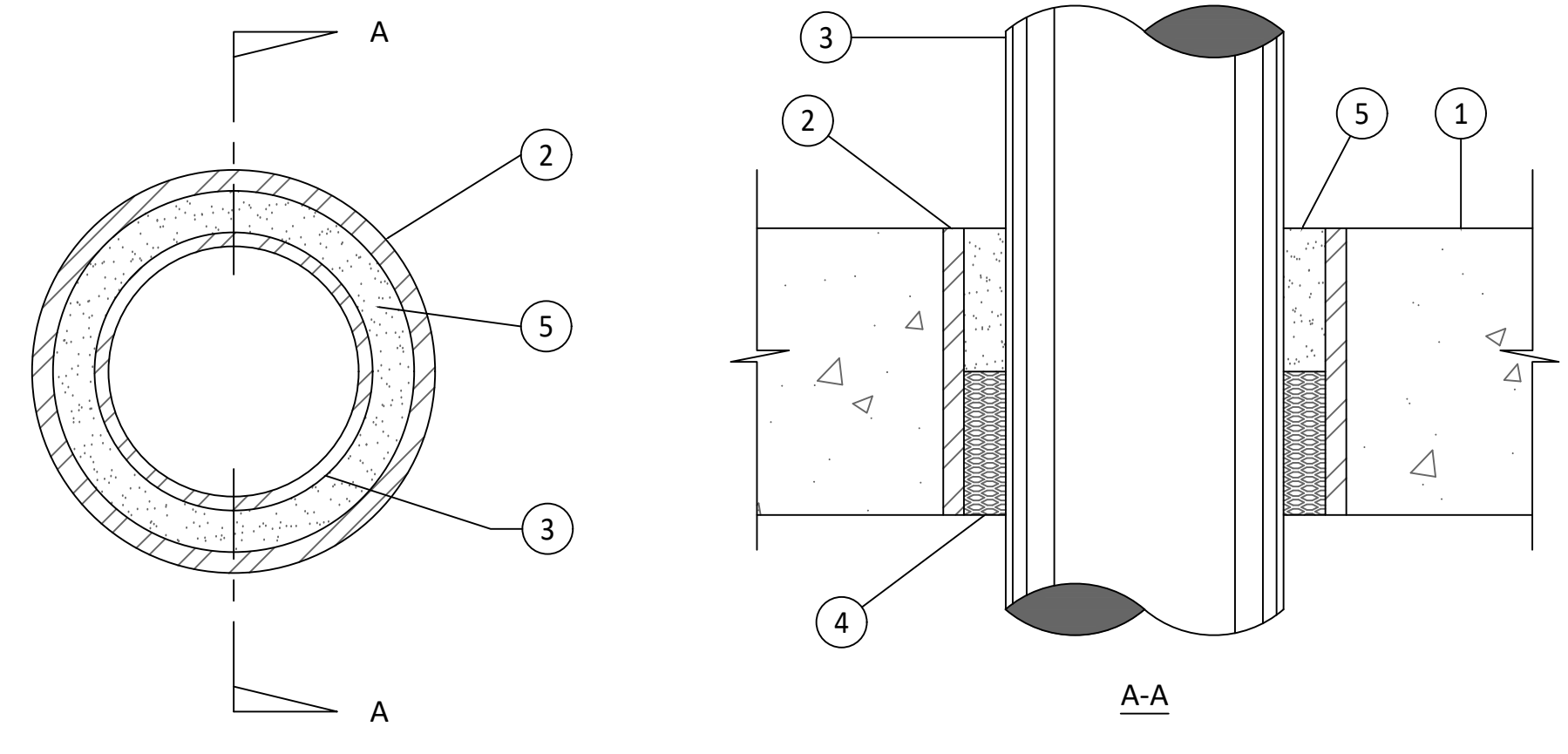


1 LFM CONDUIT TRANSITION DETAILS
SCALE: NTS



NOTE: DO NOT MOUNT CONDUIT ON SIDE OF FOUNDATION FACING PARKING.

2 CONDUIT TRANSITION DETAIL
SCALE: 1/2" = 1'-0"



- FLOOR OR WALL ASSEMBLY - REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE HAVING A MIN THICKNESS AS SPECIFIED IN THE TABLE BELOW (ITEM 3). WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 8 IN. SEE CONCRETE BLOCK (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTOR FOR NAMES OF MANUFACTURERS.
- METALLIC SLEEVE - (OPTIONAL)-NOM 8 IN. DIAM (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL SLEEVE CAST OR GROUTED INTO WALL OR FLOOR ASSEMBLY, FLUSH WITH FLOOR OR WALL SURFACES.
- THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE ANNULAR SPACE SHALL BE AS SPECIFIED IN THE TABLE BELOW. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
 - A. STEEL PIPE - NOM 6 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
 - B. CONDUIT - NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
 - C. CONDUIT - NOM 6 IN. DIAM (OR SMALLER) RIGID GALV STEEL CONDUIT. THE F AND T RATING OF THE SYSTEM IS DEPENDENT UPON THE DIAM OF THE PIPE OR CONDUIT AND ANNULAR SPACE BETWEEN THE PIPE OR CONDUIT AND THE PERIPHERY OF THE OPENING AS SHOWN IN THE TABLE BELOW:

Floor or Wall	Min Floor or Wall Thkns, In.	Max Diam of Steel Pipe or Conduit	Min Annular Space, In.	Max Annular Space, In.	Min Fill Mtl Thkns, In.	Max Fill Mtl Thkns, In.	F Rating Hr.	T Rating Hr.
F	3-3/4	1-1/2	3/8	2-1/8	1	2-3/4	2	0
F	3-3/4	6	3/8	3/4	1	2-3/4	2	0
F	3-3/4	6	3/8	1	2	1-3/4	2	0
F	4-1/2	1-1/2	3/8	2-1/8	1	3-1/2	3	3/4
F	4-1/2	6	3/8	3/4	1	3-1/2	3	0
F	4-1/2	6	3/8	1	2	2-1/2	3	0
W	5-1/2	1-1/2	3/8	2-1/8	1	3-1/2	3	3/4
W	5-1/2	6	3/8	3/4	1	3-1/2	3	0
W	6-1/2	1-1/2	3/8	2-1/8	2	2-1/2	3	1
W	6-1/2	6	3/8	1	2	2-1/2	3	0

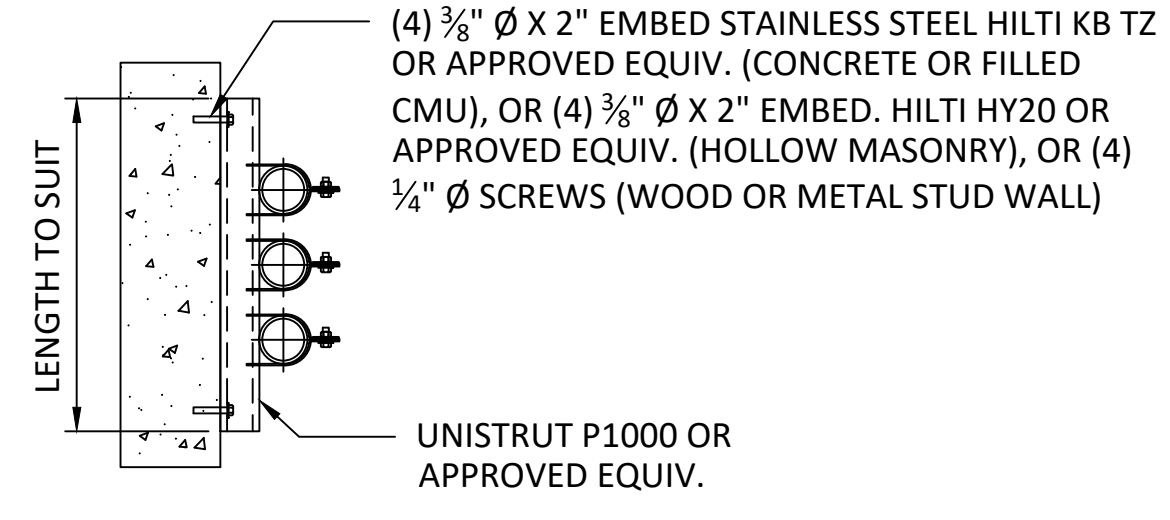
- FORMING MATERIAL* - MIN 4.0 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM AT THE MIN THICKNESS SPECIFIED IN THE ABOVE TABLE (ITEM 3). FORMING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL. USG INTERIORS INC. - TYPE SAF
- FILL, VOID OR CAVITY MATERIAL* - CAULK - MIN THICKNESS OF FILL MATERIAL AS SPECIFIED IN THE ABOVE TABLE (ITEM 3) PLACED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL. USG INTERIORS INC. - TYPE SS

*BEARING THE UL CLASSIFICATION MARKING

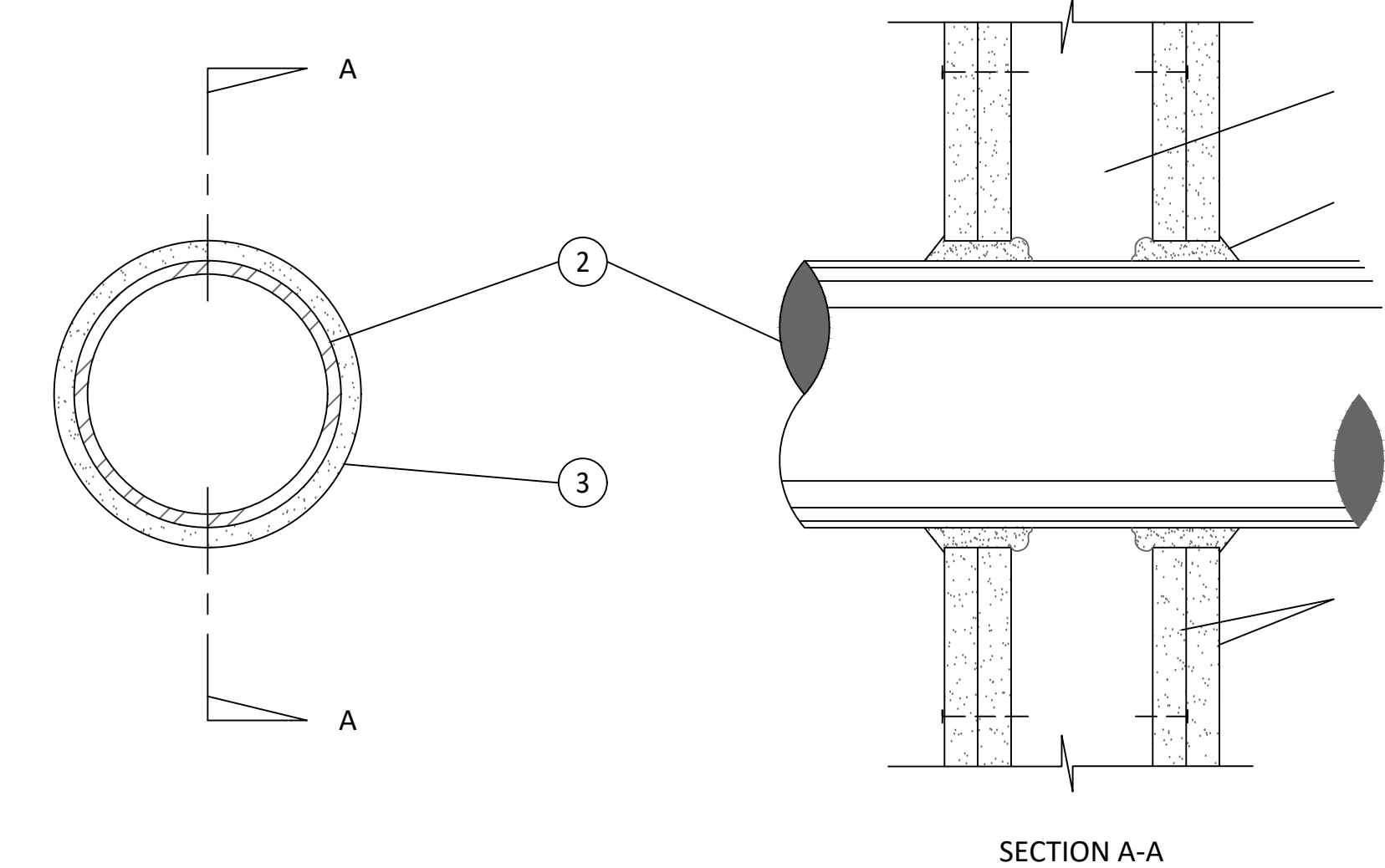
WATER PROOFING: CONTRACTOR TO INSTALL BACKER ROD IN CASE THE DIAMETER OF THE HOLE IN THE WALL IS OVER 0.25" OF CONDUIT DIAMETER. APPLY CHEMILINK M1 UNIVERSAL ADHESIVE AND SEALANT AROUND BACKER ROD. TOOL THE SEALANT TO FORM A FILLET BEAD BETWEEN THE CONDUIT AND WALL.

REFER TO SHEET E102 AND E110 FOR ITS APPLICATION

3 WALL PENETRATION
SCALE: NTS



4 TYPICAL WALL MOUNTED CONDUIT
SCALE: NTS

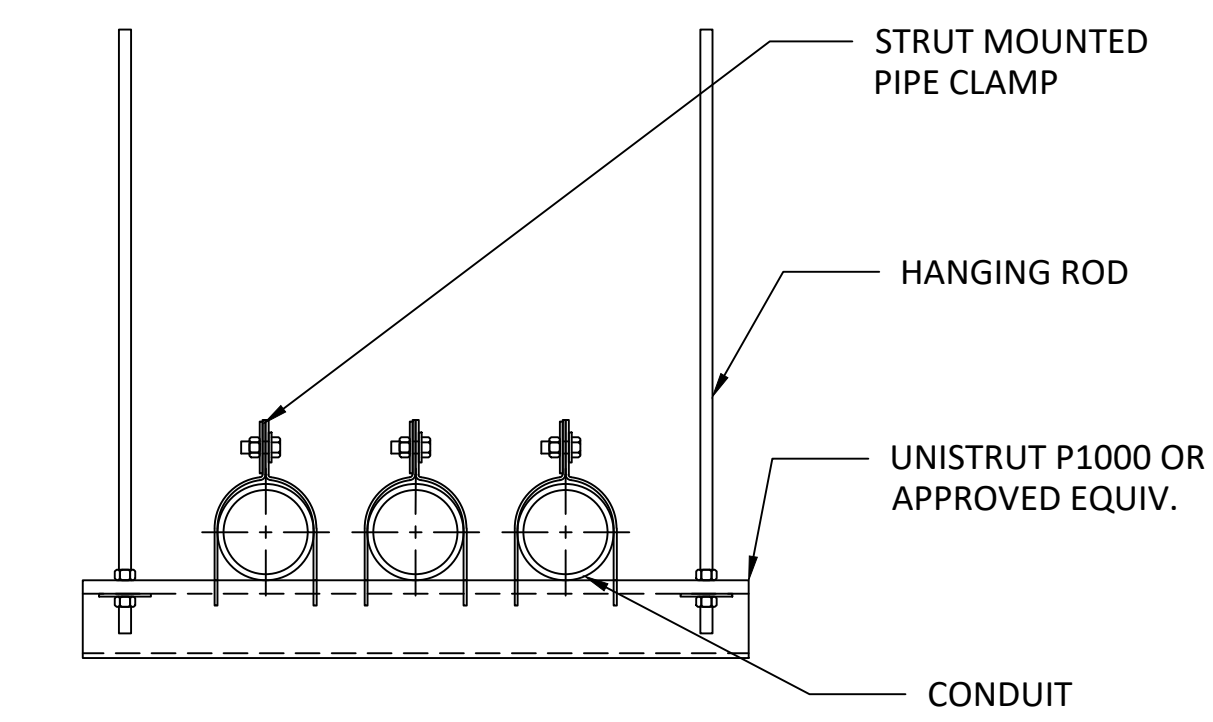


- WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
 - A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 H FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. OC.
 - B. WALLBOARD, GYPSUM* - NOM 1/2 OR 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 13-1/2 IN.
- PIPE OR CONDUIT - NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE, NOM 12 IN. DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. DIAM (OR SMALLER) CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE, NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT, NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING, NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING OR NOM 1 IN. DIAM (OR SMALLER) FLEXIBLE STEEL CONDUIT. WHEN COPPER PIPE IS USED, MAX F RATING OF FIRESTOP SYSTEM (ITEM 3) IS 2 H. STEEL PIPES OR CONDUITS LARGER THAN NOM 4 IN. DIAM MAY ONLY BE USED IN WALLS CONSTRUCTED USING STEEL CHANNEL STUDS. A MAX OF ONE PIPE OR CONDUIT IS PERMITTED IN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.
- FILL, VOID OR CAVITY MATERIAL* - CAULK - CAULK - CAULK FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN 1/4 IN. DIAM BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

Max Pipe or Conduit Diam, In.	Annular Space, In.	F Rating, In.	T Rating, In.
1	0 to 3/16	1 or 2	0+ 1 or 2
1	1/4 to 1/2	3 or 4	3 or 4
4	0 to 1-1/2	1 or 2	0
6	1/4 to 1/2	3 or 4	0
12	3/16 to 3/8	1 or 2	0

WHEN COPPER PIPE IS USED, T RATING IS 0 H. MINNESOTA MINING & MFG. CO. - CP 25WB

- ADDITIONAL NOTES:
- A. NO PENETRATIONS ARE ALLOWED IN STRUCTURAL FRAME MEMBERS WITHOUT PRIOR APPROVAL OF THE EOR.
 - B. NO PENETRATIONS ARE ALLOWED WITHIN TWO FEET OF A WALL OPENING OR WALL EDGE WITHOUT APPROVAL OF THE EOR.
 - C. NO PENETRATIONS ARE ALLOWED IN A LINTEL WITHOUT PRIOR APPROVAL OF THE EOR.
 - D. DO NOT PLACE MORE THAN ONE OPENINGS ON ONE WALL WITHOUT APPROVAL OF EOR.
 - E. DO NOT PLACE PENETRATIONS WITHIN 1 FOOT OF THE TOP OFF A WALL WITHOUT PRIOR APPROVAL OF THE EOR.



5 TYPICAL CEILING MOUNTED CONDUIT
SCALE: N.T.S.

DSA STAMP

SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISSEMINATION, OR USE WITHOUT THE WRITTEN PERMISSION OF SUNPOWER CORPORATION IS STRICTLY PROHIBITED.

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. SUNPOWER DOES NOT BELIEVE IT ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THE RECORD DRAWING INTO IT AS A RESULT OF INCORPORATING INTO IT AS A RESULT OF INCORPORATING RECORD DOCUMENT ARE ADVISED TO VERIFY THE INFORMATION AND CONFIRMATION OF ITS ACCURACY.



SAN DIEGO UNIFIED SCHOOL DISTRICT LANGUAGE ACADEMY
4961 64TH STREET
SAN DIEGO, CA 92115

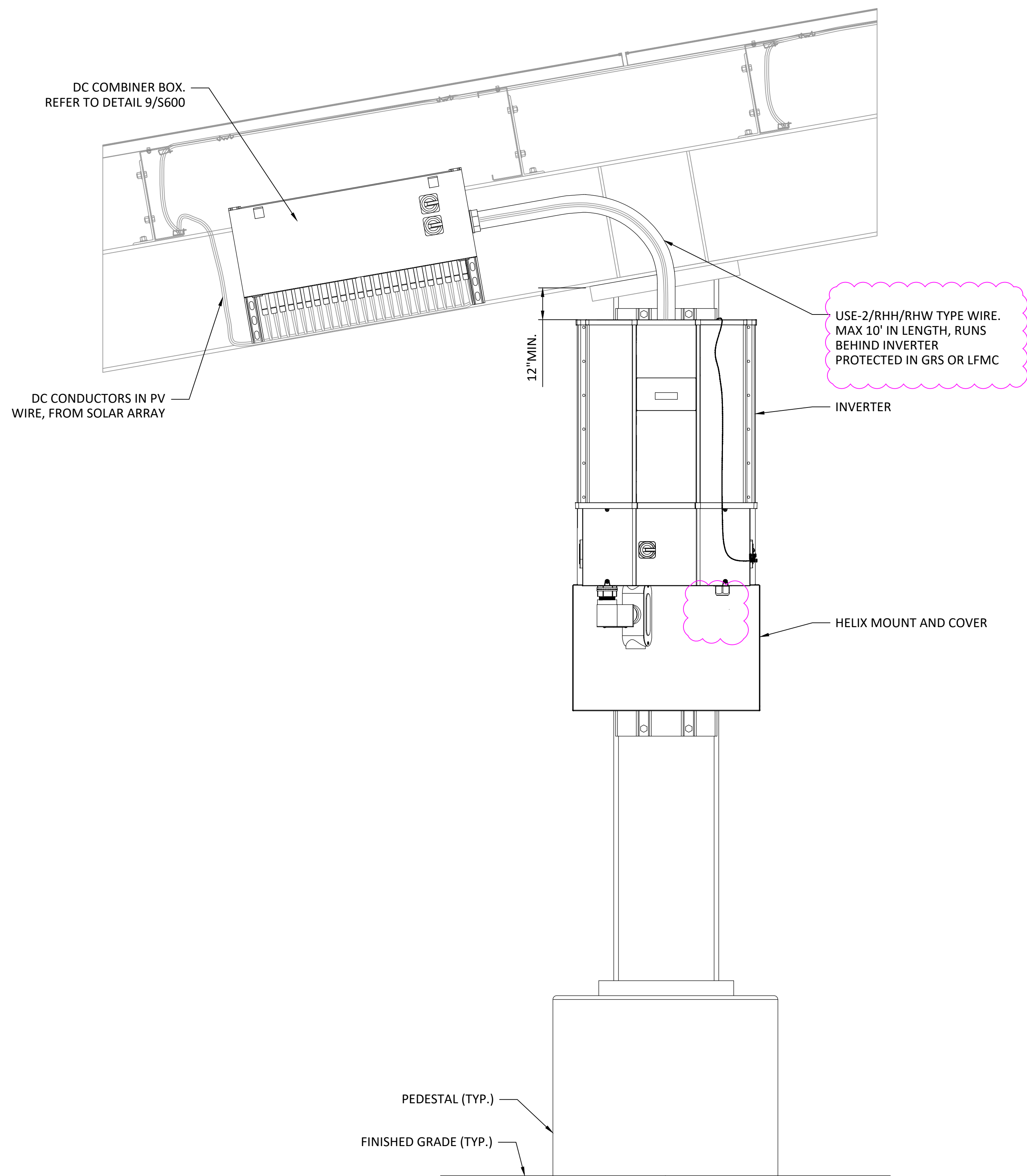
INSTALLATION DETAILS

REVISION SCHEDULE	Date	DB	CB
Design No. - Description RECORD DRAWING SET	7/11/2022		
No.			

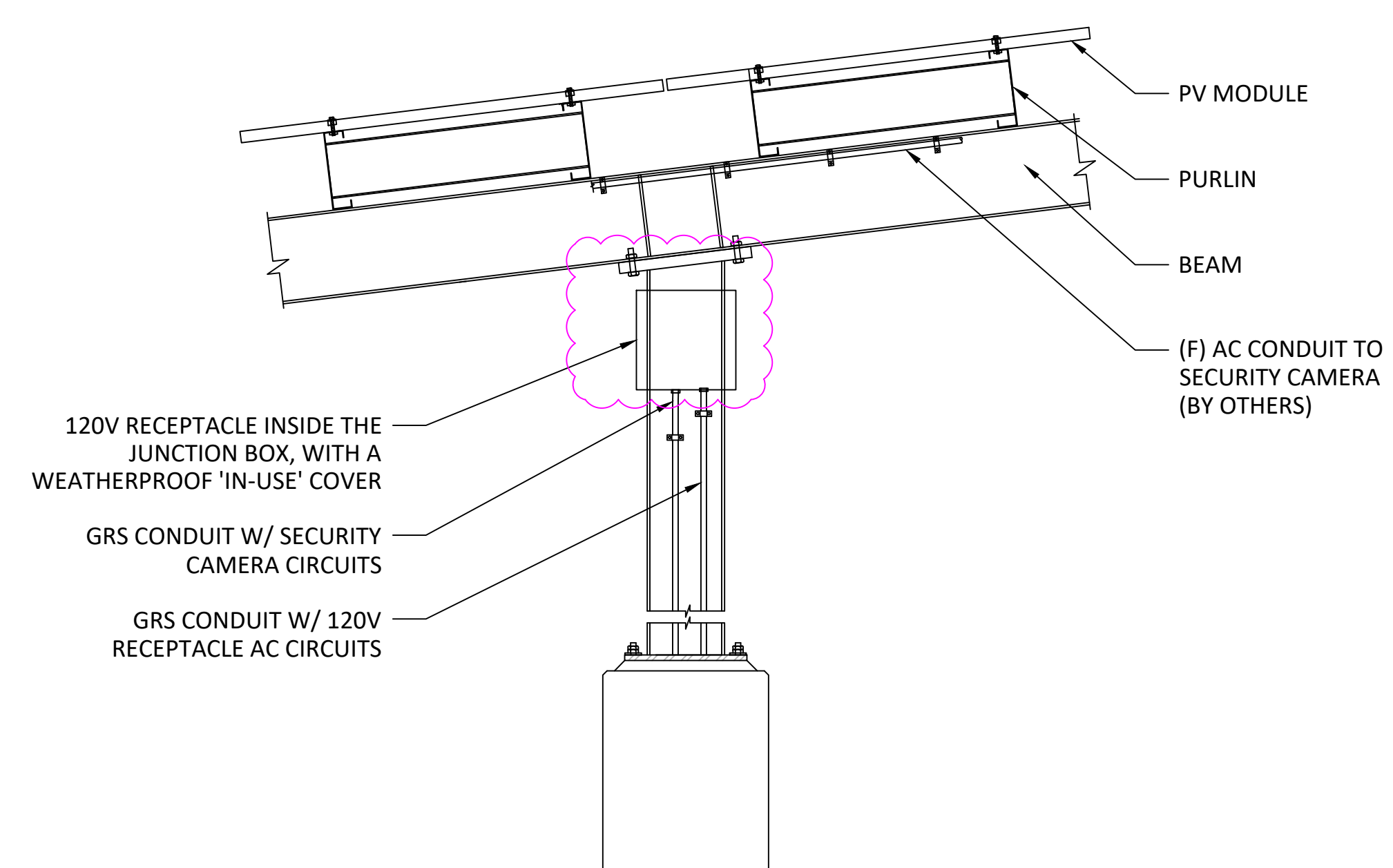
OPPORTUNITY 0001869149
PROJECT 12107
DATE 6/22/2022
DRAWN BY AP

0" 1" 2"
ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

E701
SHEET
COPYRIGHT 2016 © SUNPOWER CORP



1 COMBINER BOX MOUNTING DETAIL
SCALE: NTS



2 SECURITY CAMERA JUNCTION BOX MOUNTING DETAIL
SCALE: NTS

DSA STAMP

SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE, OR USE WITHOUT AUTHORIZATION OF SUNPOWER CORPORATION IS STRICTLY FORBIDDEN.

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. SUNPOWER CORP. DOES NOT BELIEVE IT TO BE NECESSARY TO BELIEVE THE ACCURACY OF THIS RECORD DRAWING IN ANY PART THEREOF. SUNPOWER ASSUMES NO RESPONSIBILITY TO THE USER OF THIS RECORD DRAWING FOR ANY DAMAGE, LOSS, OR INJURY THAT MAY BE INCURRED AS A RESULT OF INCORPORATING THIS RECORD DRAWING INTO ANY RECORD DOCUMENT. SUNPOWER, THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO VERIFY THE ACCURACY OF THIS RECORD DOCUMENT.

SAN DIEGO UNIFIED SCHOOL DISTRICT

SAN DIEGO UNIFIED SCHOOL DISTRICT LANGUAGE ACADEMY

4961 64TH STREET
SAN DIEGO, CA 92115

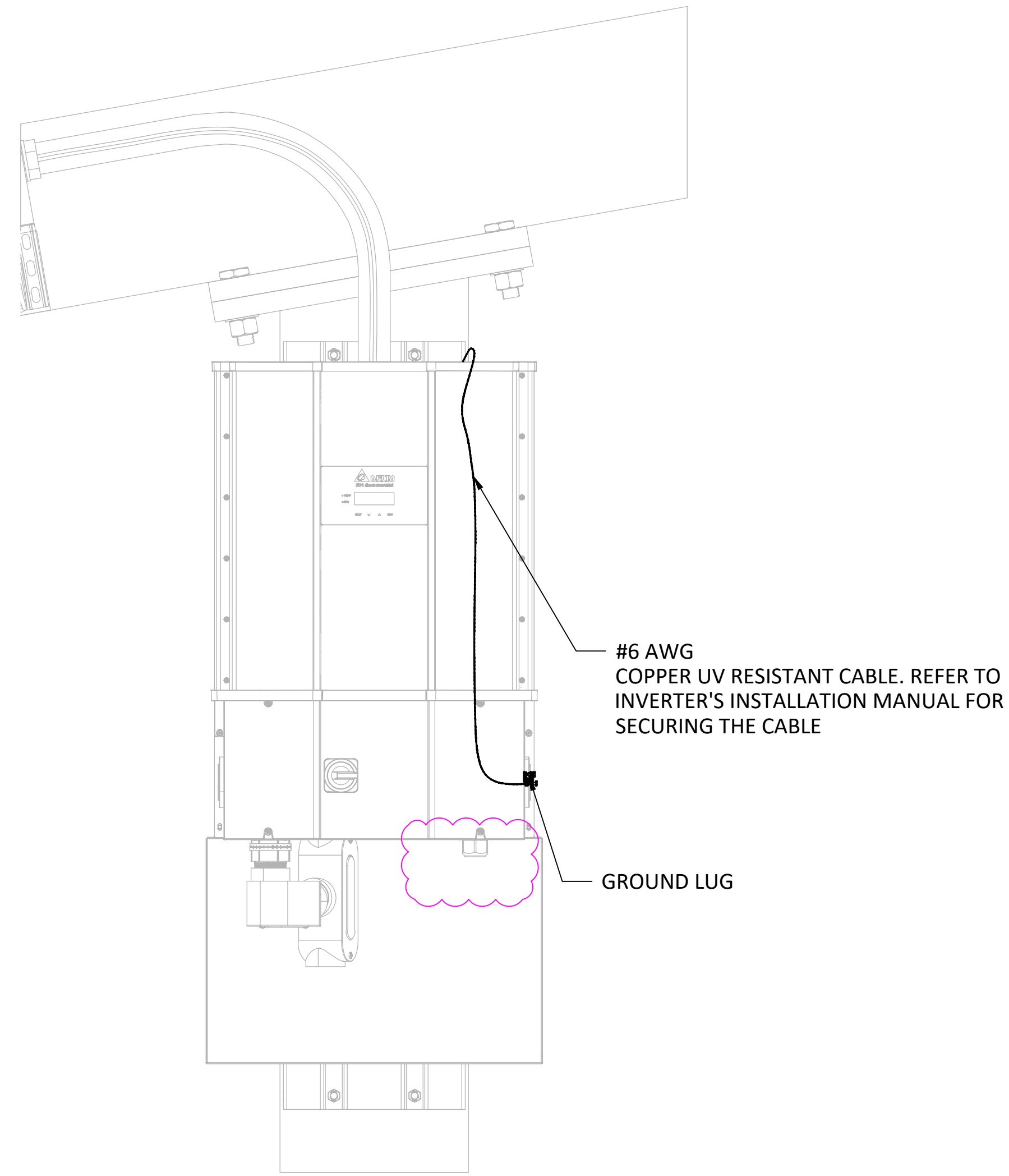
INSTALLATION DETAILS

No.	REVISION SCHEDULE	Date	DB	CB
	RECORD DRAWING SET	7/17/2022		

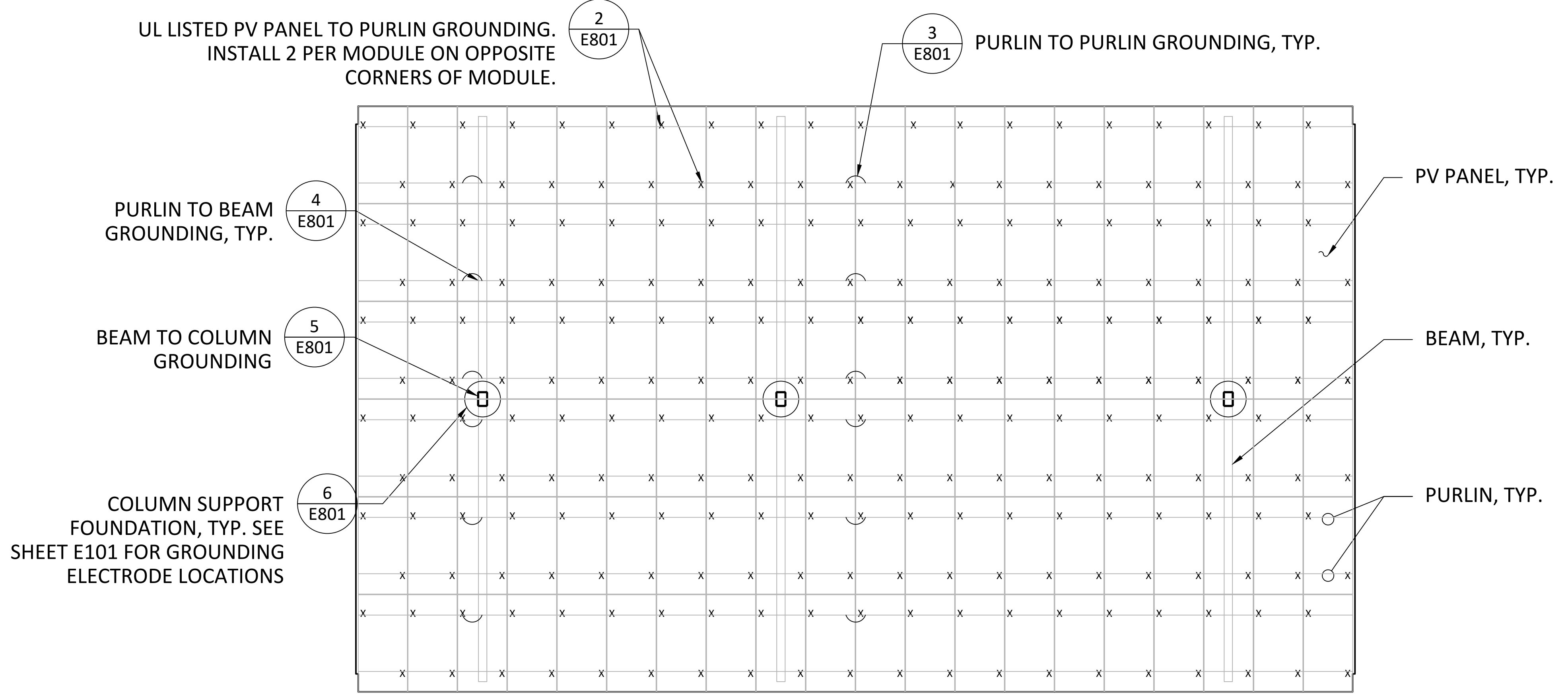
OPPORTUNITY 0001869149
PROJECT 12107
DATE 6/22/2022
DRAWN BY AP

0" 1" 2"
ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

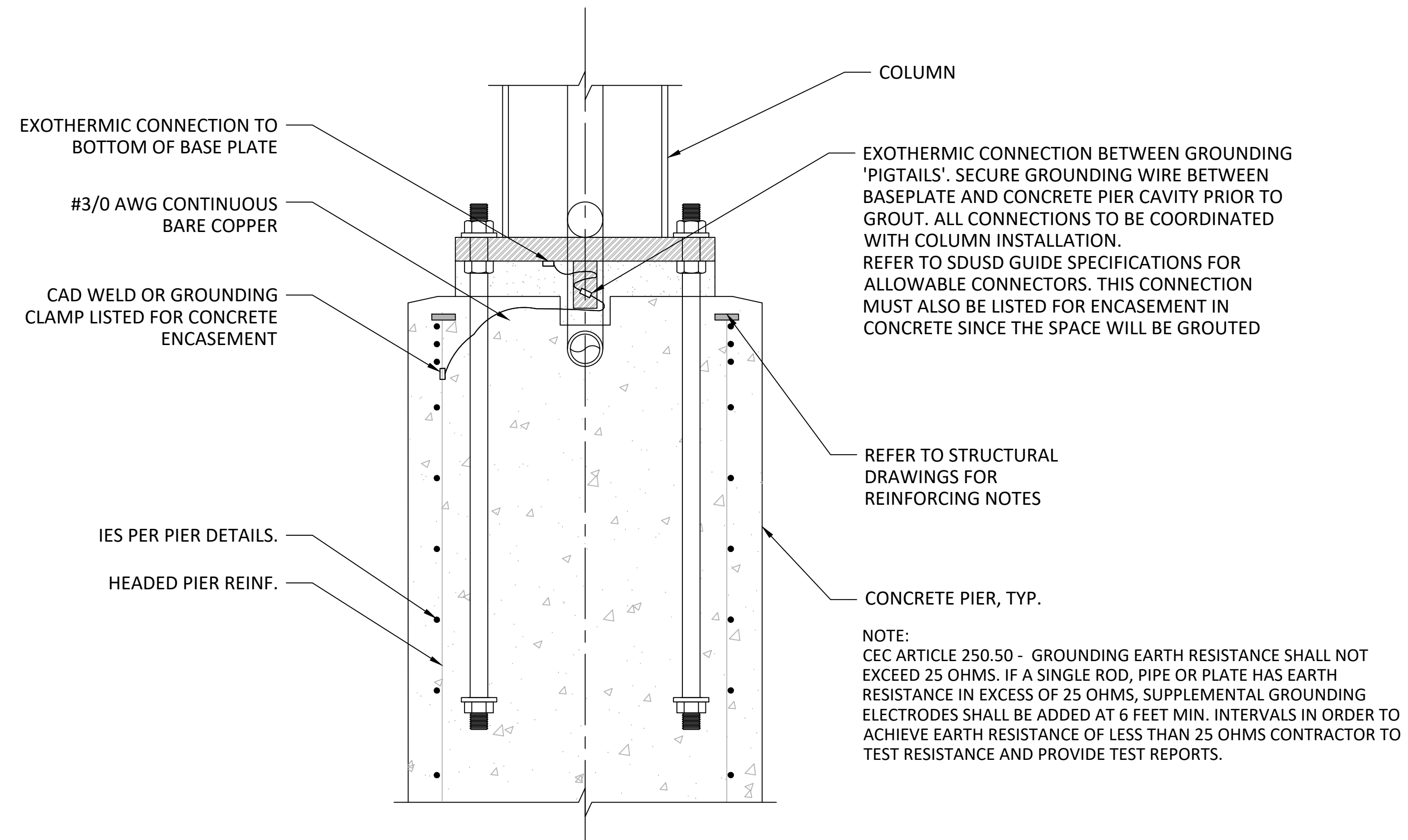
SHEET **E702**
COPYRIGHT 2016 © SUNPOWER CORP



7 INVERTER GROUND
SCALE: 1 1/2" = 1'-0"

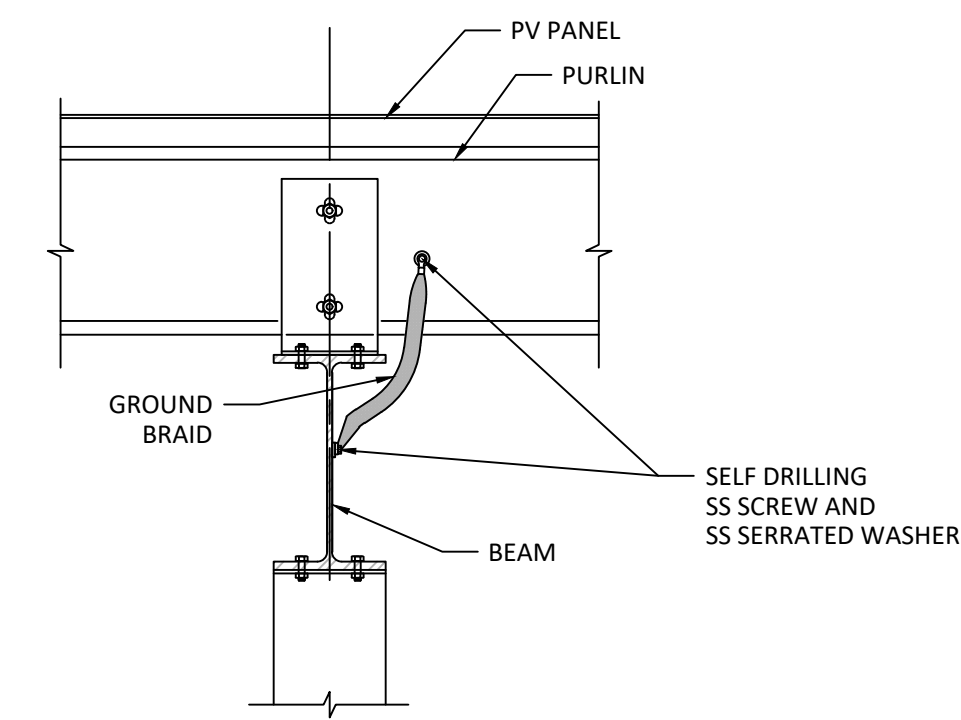


1 TYPICAL ARRAY GROUNDING PLAN
SCALE: 3/16" = 1'-0"



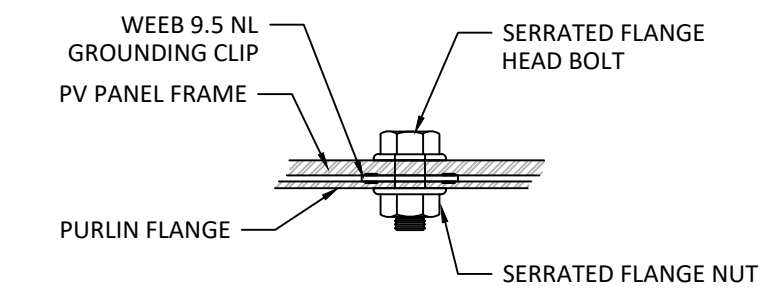
ONE GROUND ELECTRODE PER CONTINUOUS STRUCTURE (ARRAY)

6 GROUND ELECTRODE AND GROUNDING ELECTRODE CONDUCTOR DETAIL
SCALE: 1 1/2" = 1'-0"

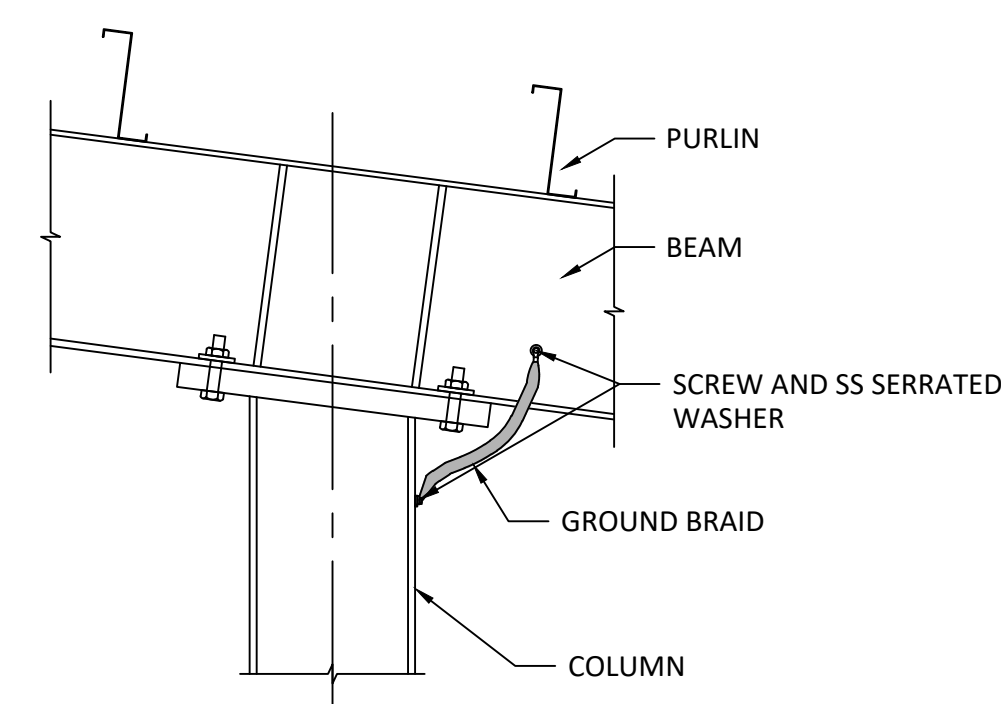


4 PURLIN TO BEAM GROUNDING
SCALE: 3/16" = 1'-0"

SEE DETAIL 3 FOR INFORMATION NOT SHOWN.

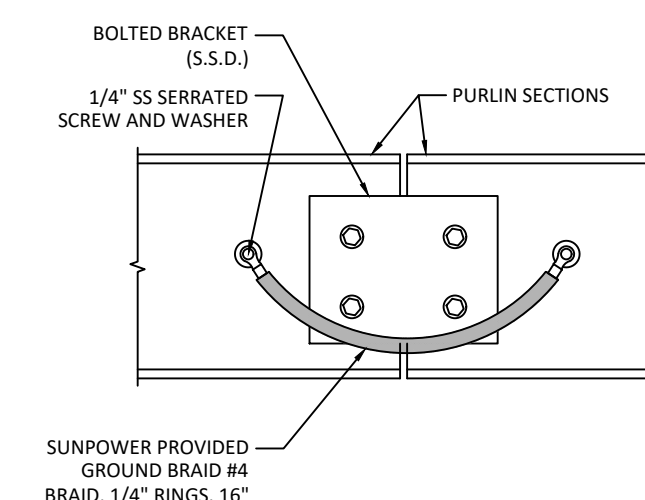


2 PV PANEL GROUNDING
SCALE: NTS



5 BEAM TO COLUMN GROUNDING
SCALE: 3/16" = 1'-0"

SEE DETAIL 3 FOR INFORMATION NOT SHOWN.



3 PURLIN TO PURLIN GROUNDING
SCALE: 3/16" = 1'-0"

DSA STAMP

SUNPOWER™

1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE, OR USE WITHOUT
AUTHORIZATION OF SUNPOWER CORPORATION IS STRICTLY PROHIBITED.

THIS RECORD DRAWING HAS BEEN
PREPARED IN PART BASED UPON
INFORMATION FURNISHED BY OTHERS.
SUNPOWER CORPORATION HAS BELIEVED
TO BE RELIABLE. SUNPOWER
ASSUMES NO RESPONSIBILITY TO THE
ACCURACY OF THE RECORD DRAWING
THAT MAY HAVE BEEN INCORPORATED
INTO IT AS A RESULT OF INCORRECT
INFORMATION. THOSE RELYING ON THIS
RECORD DOCUMENT ARE ADVISED TO
OBTAIN INDEPENDENT VERIFICATION
OF ITS ACCURACY.



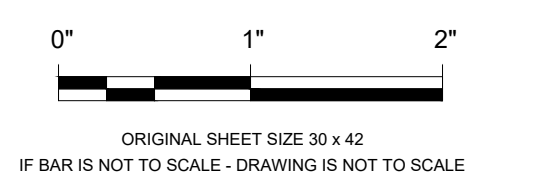
SAN DIEGO UNIFIED
SCHOOL DISTRICT
LANGUAGE ACADEMY

4961 LATH STREET
SAN DIEGO, CA 92115

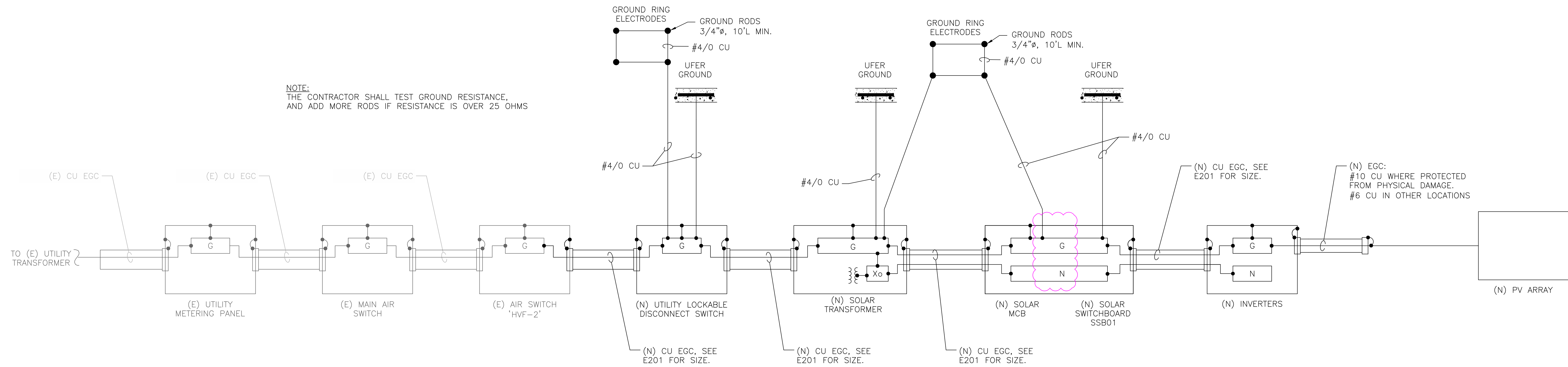
GROUNDING DETAILS

REVISION SCHEDULE	No.	Date	Description
RECORD DRAWING SET		7/11/2022	

OPPORTUNITY 0001869149
PROJECT 12107
DATE 6/22/2022
DRAWN BY AP



SHEET **E801**
COPYRIGHT 2016 © SUNPOWER CORP



NOTE:
THE CONTRACTOR SHALL TEST GROUND RESISTANCE,
AND ADD MORE RODS IF RESISTANCE IS OVER 25 OHMS

1 GROUNDING PLAN
SCALE: N.T.S.

DSA STAMP

SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. SUNPOWER CORP. DOES NOT BELIEVE IT TO BE REASONABLY ASSURED TO BE RELIABLE. SUNPOWER ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THIS RECORD DRAWING THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN AN INDEPENDENT VERIFICATION OF ITS ACCURACY.



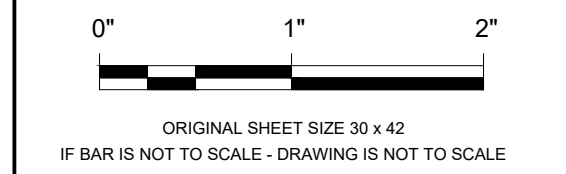
SAN DIEGO UNIFIED
SCHOOL DISTRICT
LANGUAGE ACADEMY

4961 64TH STREET
SAN DIEGO, CA 92115

GROUNDING PLAN

No.	REVISION SCHEDULE	Date	DB	CB
1	RECORD DRAWING SET	7/11/2022		

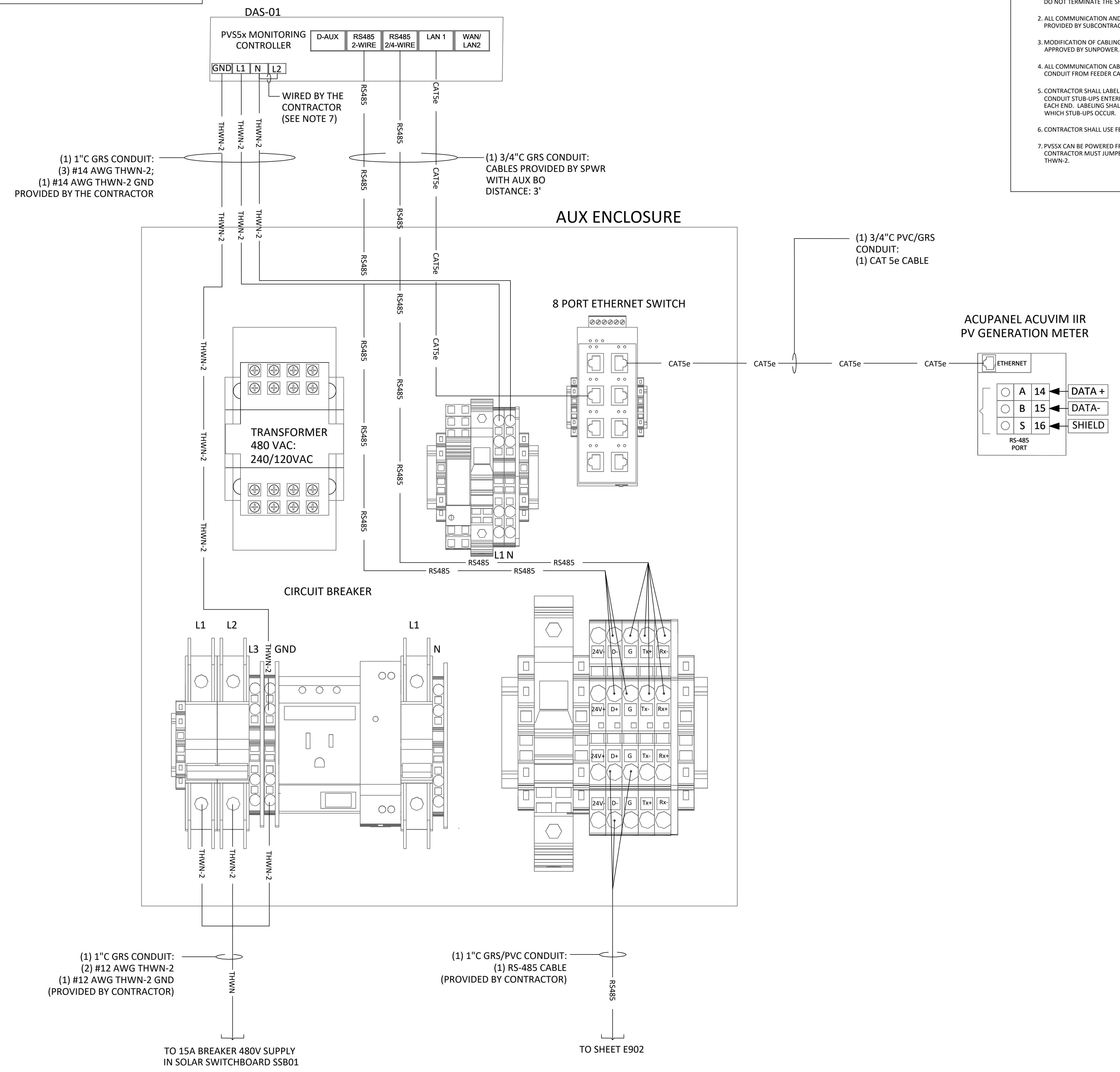
OPPORTUNITY 0001869149
PROJECT 12107
DATE 6/22/2022
DRAWN BY AP



ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE
SHEET **E802**
COPYRIGHT 2016 © SUNPOWER CORP

WIRING LEGEND		
— CAT5e —	CAT5e	ETHERNET: AWG 24 SHIELDED CAT 5e CABLE (300' MAX)
— THWN-2 —	THWN-2	THWN-2 CONDUCTORS
— RS485 —	RS485	RS-485: (1) BELDEN 3107A, #22 AWG SHIELDED TWISTED 2-PAIR CABLE (3280' MAX)

- NOTES:
- DRAWING IS DIAGRAMMATIC. CONTRACTOR TO VERIFY ACTUAL EQUIPMENT LAYOUT AND RATINGS. EXAMINE INSTALLATION MANUAL OF EACH EQUIPMENT PRIOR TO INSTALLATION. ALL CONDUCTORS, CABLING AND CONDUIT TO BE PROVIDED BY ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED. CONTRACTOR TO CONNECT AND WIRE THE FOLLOWING DEVICES: REFERENCE CELL, PVSSX ASSEMBLY, INVERTERS, ACUPANEL ACUVM METER.
 - ENSURE THAT SHIELD WIRES ARE TWISTED TOGETHER WHERE CABLE IS CUT (CABLE BREAK). DO NOT TERMINATE THE SHIELD WIRE ANYWHERE BESIDES THE TERMINAL BLOCKS.
 - ALL COMMUNICATION AND METERING EQUIPMENT, CONDUCTORS & CONDUIT SHALL BE PROVIDED BY SUBCONTRACTOR UNLESS OTHERWISE NOTED.
 - MODIFICATION OF CABLING OR ORDERING OF DEVICES ON RS485 DAISY CHAIN MUST BE APPROVED BY SUNPOWER.
 - ALL COMMUNICATION CABLES (CAT-5E, BELDEN ETC.) SHALL BE ROUTED IN A SEPARATE CONDUIT FROM FEEDER CABLES, BUS BARS, AND AC SWITCHBOARD AS POSSIBLE.
 - CONTRACTOR SHALL LABEL ALL CABLES WITH TO/FROM TERMINATION INFORMATION. ALL CONDUIT STUB-UPS ENTERING/EXITING THE SOLAR SWITCHBOARD SHALL BE LABELED ON EACH END. LABELING SHALL INCLUDE EQUIPMENT NAME AND ENCLOSURE NUMBER IN WHICH STUB-UPS OCCUR.
 - CONTRACTOR SHALL USE FERRULES FOR ALL MODBUS TERMINATIONS.
 - PVSSX CAN BE POWERED FROM 240V OR 120V. IF PVSSX IS POWERED FROM 120V, CONTRACTOR MUST JUMPER ACROSS L2 AND N AT THE PVSSX TERMINALS USING #14AWG THWN-2.



DSA STAMP

SUNPOWER™
 1414 Harbour Way South
 Richmond, CA 94804 USA
 (510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE, PHOTOCOPYING, OR ANY USE WITHOUT AUTHORIZATION OF SUNPOWER CORPORATION IS PROHIBITED.

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. SUNPOWER HAS BELIEVED IT TO BE RELIABLE. SUNPOWER ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THIS RECORD DRAWING THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO VERIFY THE INFORMATION AND THE ACCURACY OF ITS INFORMATION.



SAN DIEGO UNIFIED SCHOOL DISTRICT LANGUAGE ACADEMY

4961 64TH STREET
 SAN DIEGO, CA 92115

MONITORING DIAGRAM

REVISION SCHEDULE	
No.	DESCRIPTION
1	RECORD DRAWING SET
Date	7/11/2022

OPPORTUNITY: 0001869149
 PROJECT: 12107
 DATE: 6/22/2022
 DRAWN BY: AP

0" 1" 2"

ORIGINAL SHEET SIZE 30 x 42
 IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

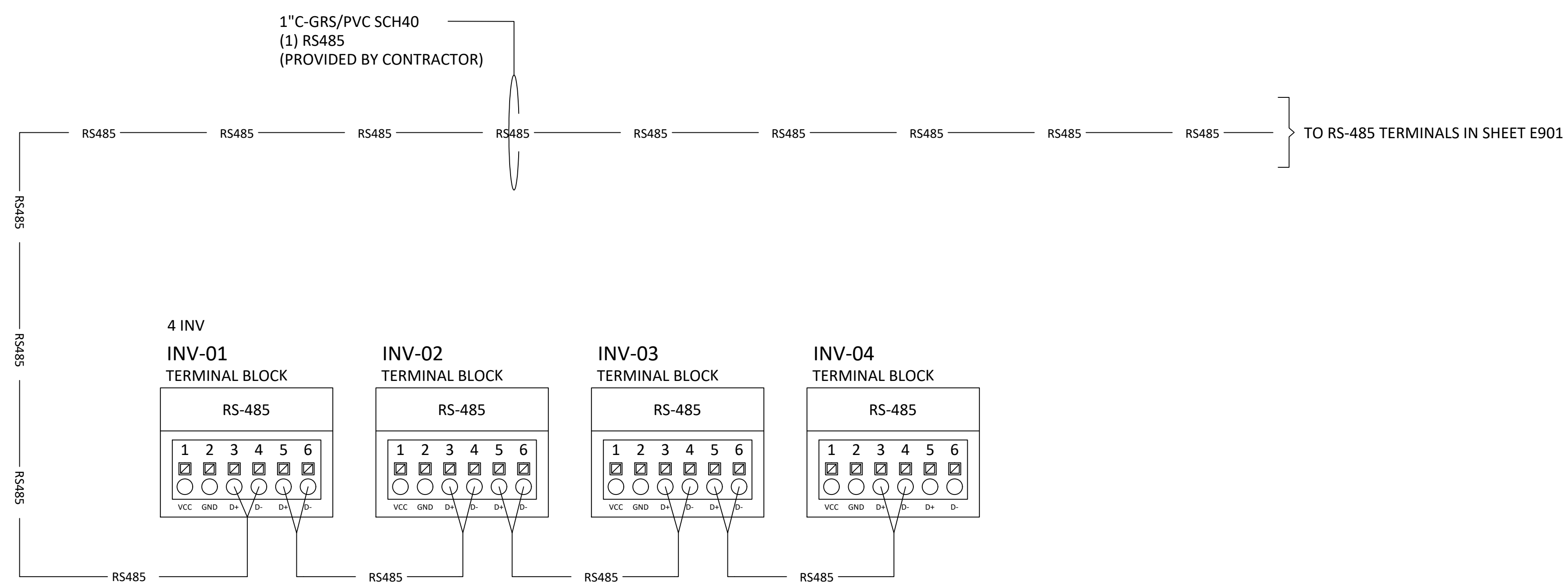
SHEET **E901**
COPYRIGHT 2016 © SUNPOWER CORP

WIRING LEGEND

- THWN — THWN — THWN-2 CONDUCTORS
- RS485 — RS485: (1) BELDEN 3107A, #22 AWG SHIELDED TWISTED 2-PAIR CABLE (3280' MAX)

NOTES:

1. DRAWING IS DIAGRAMMATIC. SUB CONTRACTOR TO VERIFY ACTUAL EQUIPMENT LAYOUT AND RATINGS. EXAMINE INSTALLATION MANUAL OF EACH EQUIPMENT PRIOR TO INSTALLATION. ALL CONDUCTORS, CABLING AND CONDUIT TO BE PROVIDED BY ELECTRICAL SUBCONTRACTOR UNLESS OTHERWISE NOTED. SUBCONTRACTOR TO CONNECT AND WIRE THE FOLLOWING DEVICES: DAS ASSEMBLY, INVERTERS, AND MONITORING METER
2. ENSURE THAT SHIELD WIRES ARE TWISTED TOGETHER WHERE CABLE IS CUT (CABLE BREAK). DO NOT TERMINATE THE SHIELD WIRE ANYWHERE BESIDES THE DAS TERMINAL BLOCK.
3. ENSURE THAT REF CELL IS ALIGNED IN THE SAME ORIENTATION AS THE ARRAY. (IF REQUIRED FOR THE SITE)
4. ALL COMMUNICATION AND METERING EQUIPMENT TO BE PROVIDED BY SUNPOWER. CONDUCTORS & CONDUIT SHALL BE PROVIDED BY SUBCONTRACTOR UNLESS OTHERWISE NOTED.
5. MODIFICATION OF CABLING OR ORDERING OF DEVICES ON CATSE DAISY CHAIN MUST BE APPROVED BY SUNPOWER.
6. BELDEN CABLES SHALL BE ROUTED AS FAR AWAY FROM FEEDER CABLES, BUS BARS, AND AC SWITCHBOARD AS POSSIBLE.
7. CONTRACTOR SHALL LABEL ALL CABLES WITH TO/FROM TERMINATION INFORMATION. ALL CONDUIT STUB-UPS ENTERING/EXITING THE SOLAR SWITCHBOARD SHALL BE LABELED ON EACH END. LABELING SHALL INCLUDE EQUIPMENT NAME AND ENCLOSURE NUMBER IN WHICH STUB-UPS OCCUR.
8. CONTRACTOR SHALL USE FERRULES FOR ALL MODBUS TERMINATIONS.



DSA STAMP

SUNPOWER™

1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE, OR USE WITHOUT AUTHORIZATION OF SUNPOWER CORPORATION IS STRICTLY FORBIDDEN.

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. SUNPOWER AND ITS EMPLOYEES BELIEVE TO BE REASONABLY ACCURATE. SUNPOWER ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THE RECORD DRAWING THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT RECORD DOCUMENTATION OR INFORMATION. SUNPOWER THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO VERIFY THE ACCURACY OF ITS ACCURACY.



**SAN DIEGO UNIFIED
SCHOOL DISTRICT
LANGUAGE ACADEMY**

4961 64TH STREET
SAN DIEGO, CA 92115

MONITORING DIAGRAM

REVISION SCHEDULE

No.	Description	Date	DB	CB
1	RECORD DRAWING SET	7/11/2022		

OPPORTUNITY: 0001869149

PROJECT: 12107

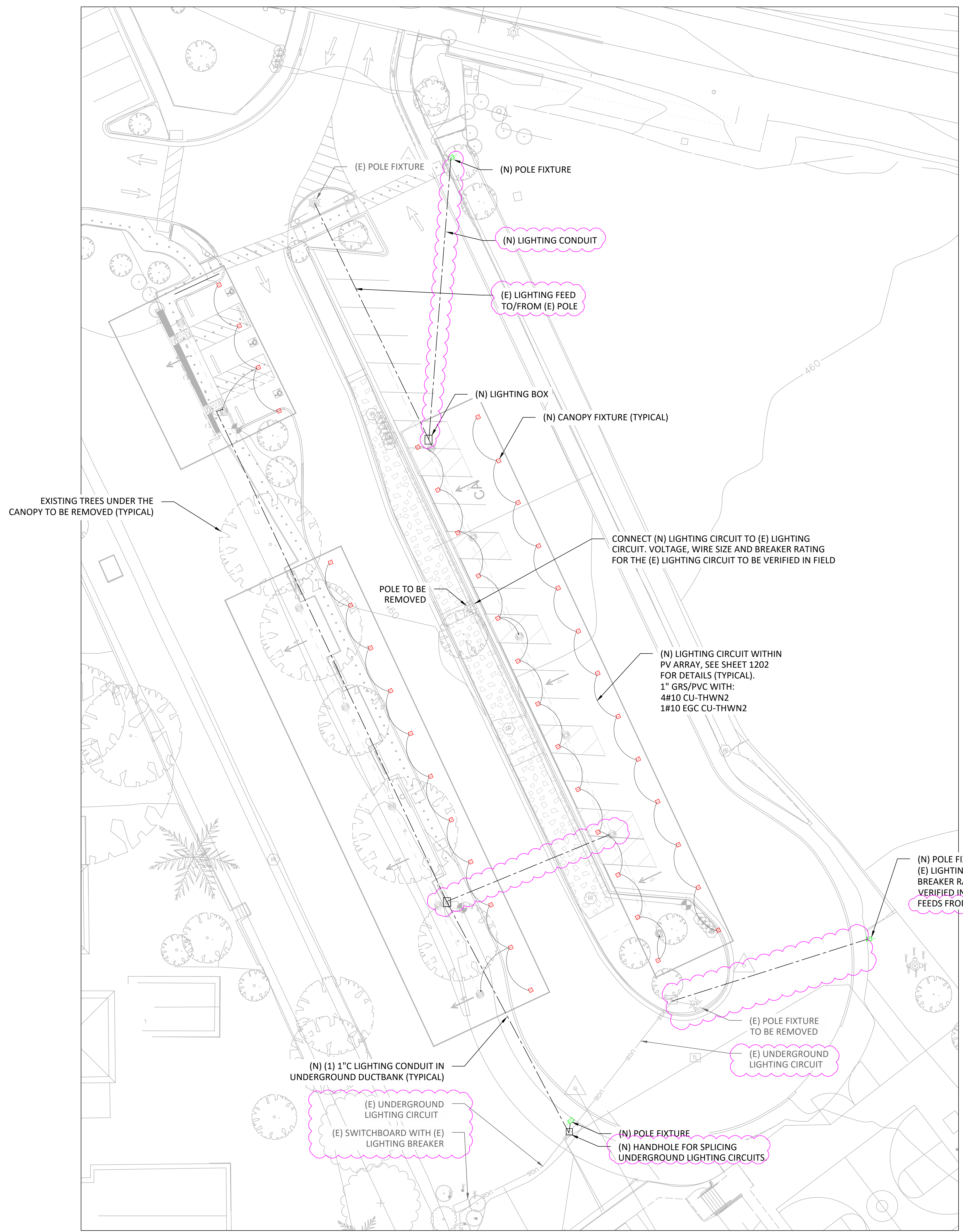
DATE: 6/22/2022

DRAWN BY: AP

0" 1" 2" SCALE BAR

SHEET: **E902**

ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE
COPYRIGHT 2016 © SUNPOWER CORP



EXISTING TREES UNDER THE CANOPY TO BE REMOVED (TYPICAL)

1 EXISTING LIGHTING DEMO AND NEW LIGHTING CONDUIT ROUTING
SCALE: 1/16" = 1'-0"

NOTE:
REFER TO SHEET E1203 FOR LIGHT FIXTURE SUMMARY AND PHOTOMETRIC PLANS.

ELECTRICAL DEMOLITION GENERAL NOTES:

- COORDINATE WITH ARCHITECTURAL DEMOLITION PLAN FOR NON ELECTRICAL RELATED WORKS.
- CONDUIT RUNS PATH SHOWN IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATION, ROUTE OF CONDUIT RUNS AND ALL EXISTING UNDERGROUND UTILITIES AND CIRCUITRY AS REQUIRED, PRIOR TO STARTING WORK. CONTACT SUNPOWER VIA RFI WITH ANY DISCREPANCIES.
- PROVIDE IN-GRADE TRAFFIC-RATED BOX LOCATIONS FOR DEMOLISHED LIGHT POLES, IF REQUIRED TO MAINTAIN CONTINUITY TO ANY EXISTING LIGHTING FIXTURES OUTSIDE OF THE ARRAYS. COORDINATE NEW ARRAY LIGHTING REQUIREMENTS WITH EXISTING PARKING LOT LIGHTING INFRASTRUCTURE. NEW ARRAY LIGHTING MUST BE TIED INTO EXISTING CIRCUIT. AT THE CONCLUSION OF PROJECT PROVIDE AS-BUILT DRAWINGS SHOWING THE REVISED CIRCUITING AND BOX LOCATIONS TO OWNER.
- COORDINATE REQUIREMENTS AND LOCATION FOR REMOVED LIGHTING FIXTURES, LAMPS, AND POLES WITH THE OWNER.
- REMOVE PARKING LOT LIGHTING CONDUCTORS ASSOCIATED WITH DEMOLITION WORK THAT ARE NOT REQUIRED TO MAINTAIN CIRCUIT CONTINUITY TO EXISTING LIGHTING. UNDERGROUND CONDUITS NO LONGER REQUIRED MAY BE ABANDONED IN PLACE.
- REMOVE CONCRETE PIERS ASSOCIATED WITH LIGHT POST REMOVAL BELOW ASPHALT. MATCH EXISTING SECTION AS REQUIRED. IF NECESSARY WHERE LIGHT POLES ARE REMOVED, FILL HOLE WITH CONCRETE SLURRY, 1500 PSI MIN.

DSA STAMP

SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE, OR USE WITHOUT AUTHORIZATION OF SUNPOWER CORPORATION IS STRICTLY PROHIBITED.

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. SUNPOWER DOES NOT BELIEVE TO BE LIABLE FOR ANY ERRORS OR OMISSIONS. SUNPOWER ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THIS RECORD DRAWING THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION. SUNPOWER DOES NOT WARRANT THE RECORD DOCUMENT ARE ADVISED TO OBTAIN NECESSARY VERIFICATION OF ITS ACCURACY.

SAN DIEGO UNIFIED SCHOOL DISTRICT
LANGUAGE ACADEMY

4961 GARTH STREET
SAN DIEGO, CA 92115

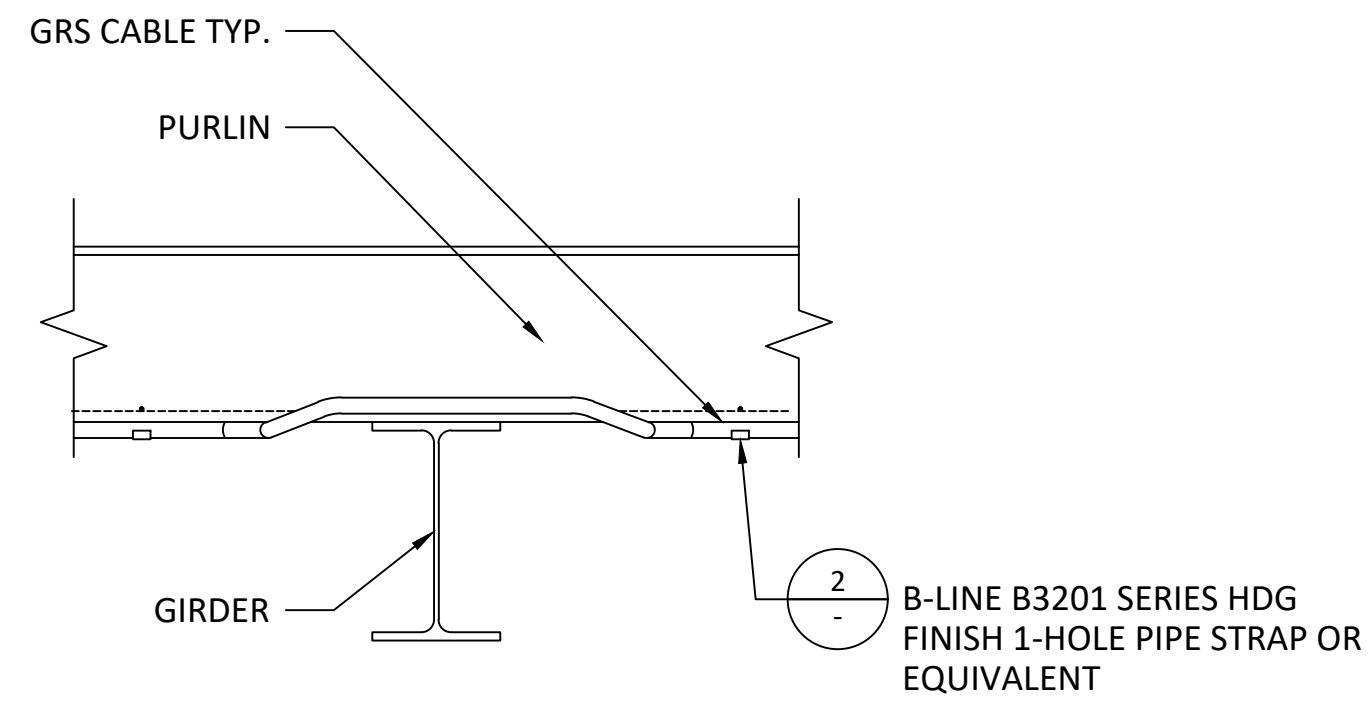
LIGHTING PLAN

REVISION SCHEDULE	Design No. - Description	Date	DB	CB
No.	RECORD DRAWING SET	7/11/2022		

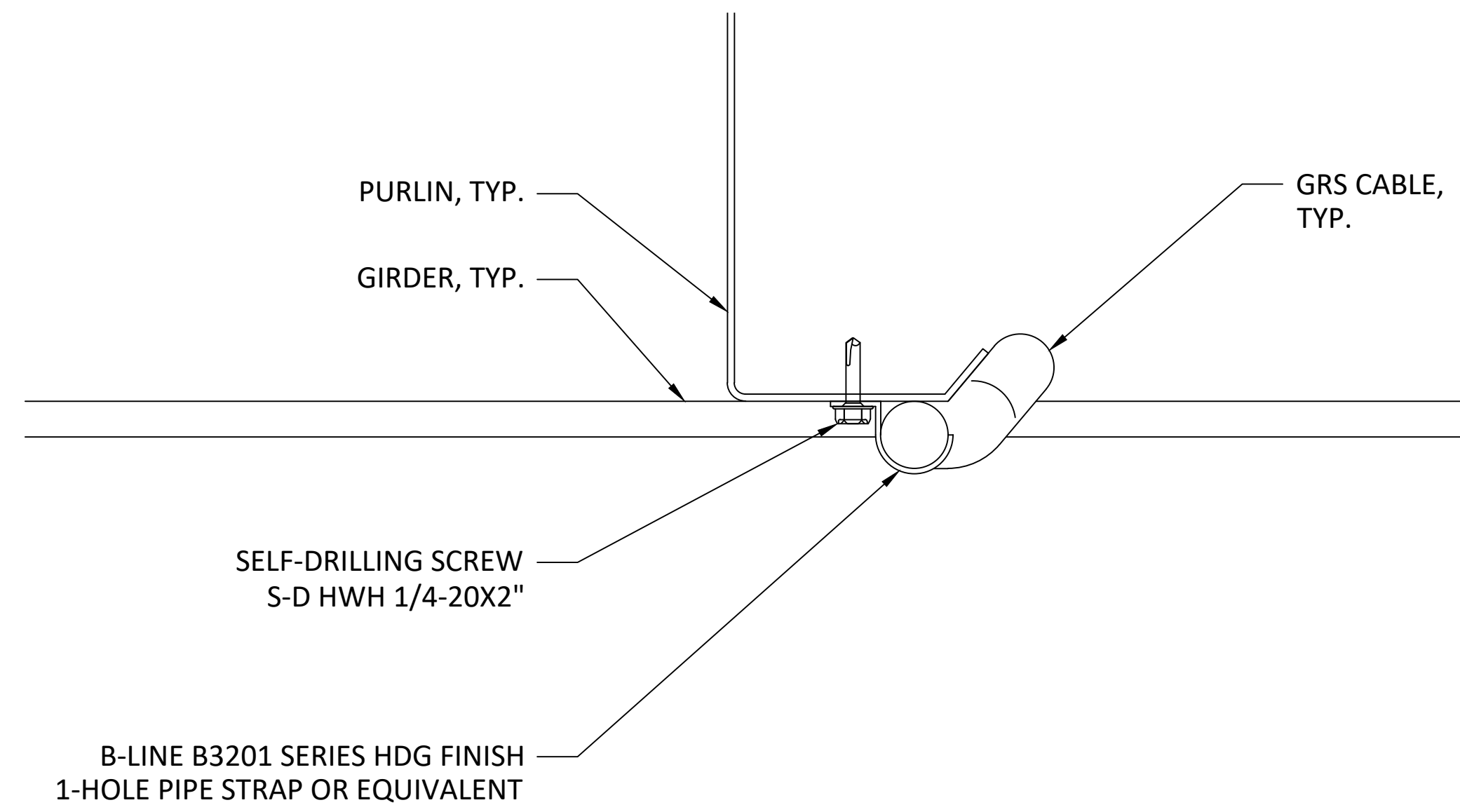
OPPORTUNITY: 0001869149
PROJECT: 12107
DATE: 6/22/2022
DRAWN BY: AP

ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

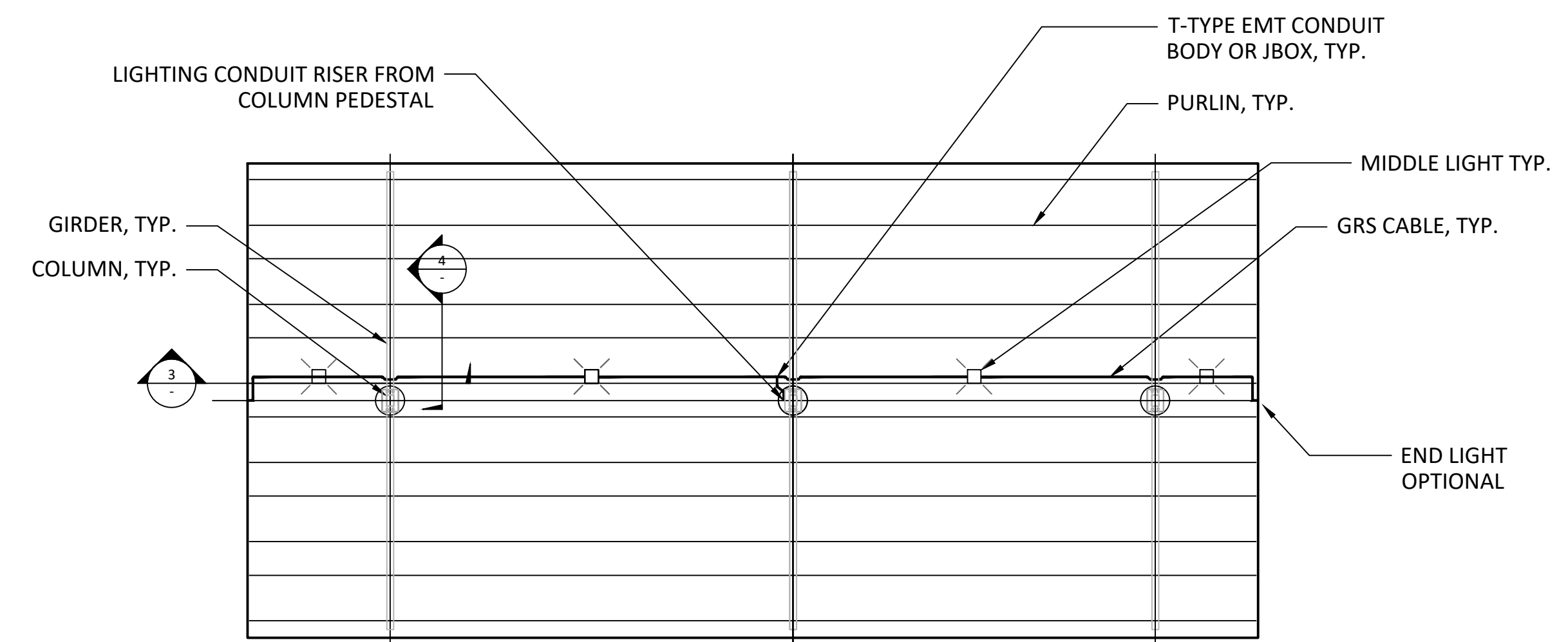
SHEET E1201
COPYRIGHT 2016 © SUNPOWER CORP



3 LIGHTING CONDUIT ROUTING - TRANSITION AT GIRDER
SCALE: 1" = 1'-0"



2 LIGHTING CONDUIT ROUTING - TRANSITION AT GIRDER
SCALE: 6" = 1'-0"



1 LIGHTING CONDUIT ROUTING - SINGLE CANTILEVER
SCALE: 3/32" = 1'-0"

DSA STAMP

SUNPOWER™

1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE, OR USE WITHOUT AUTHORIZATION OF SUNPOWER CORPORATION IS STRICTLY FORBIDDEN.

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. SUNPOWER ENGINEERS ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THIS RECORD DRAWING THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT RECORD DOCUMENTATION. SUNPOWER THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO VERIFY THE ACCURACY OF ITS INFORMATION.

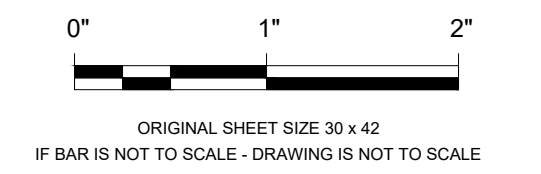


SAN DIEGO UNIFIED SCHOOL DISTRICT LANGUAGE ACADEMY

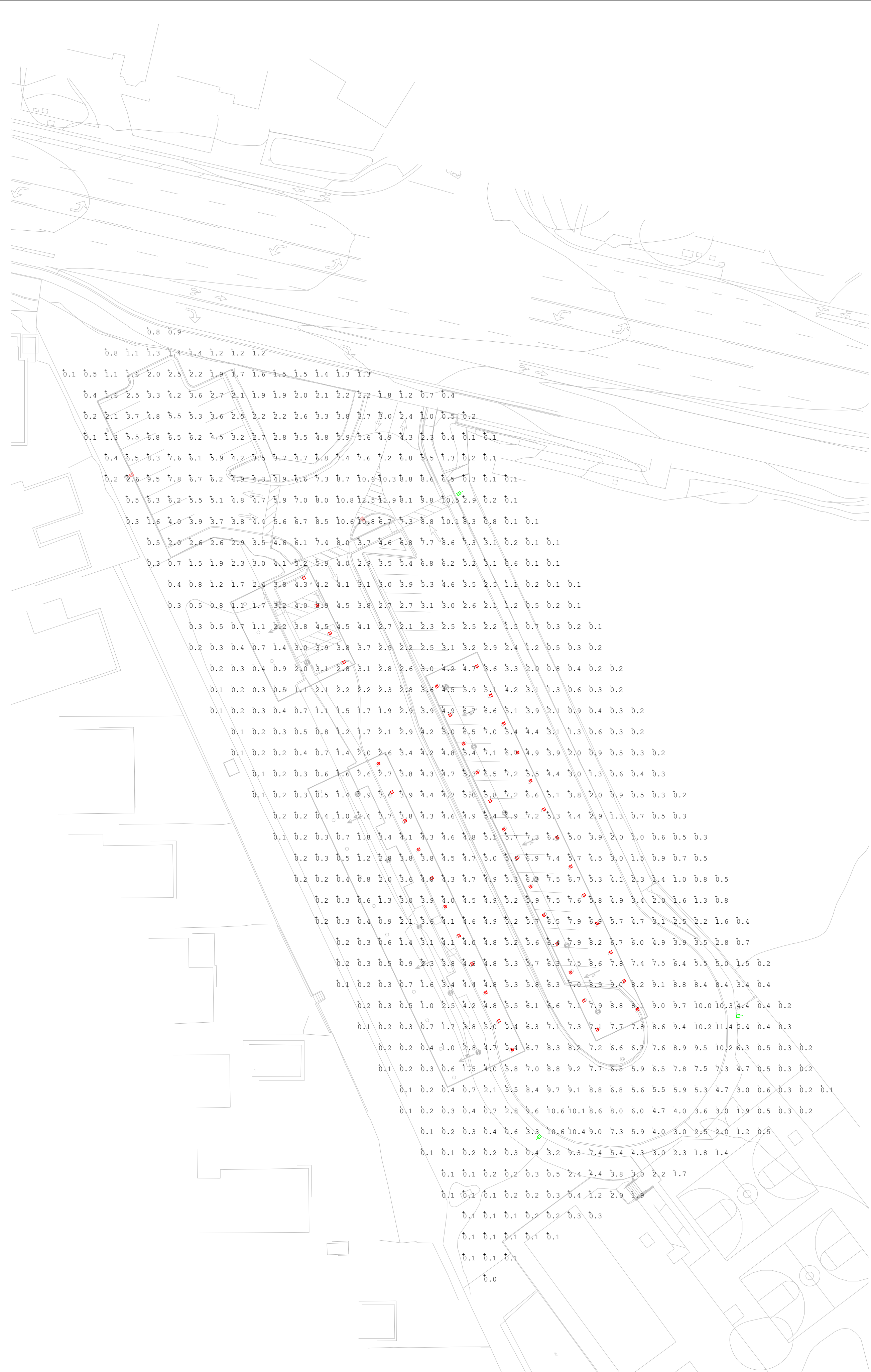
4961 64TH STREET
SAN DIEGO, CA 92115
LIGHTING FIXTURE LOCATIONS AND CONDUIT ROUTING

REVISION	DATE	DESCRIPTION	DB	CB
No.	7/11/2022	RECORD DRAWING SET		

OPPORTUNITY 0001869149
PROJECT 12107
DATE 6/22/2022
DRAWN BY AP



SHEET E1202
COPYRIGHT 2016 © SUNPOWER CORP



Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
New	Illuminance	Fc	3.31	12.3	0.0	N.A.

Luminaire Schedule											
Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Arr. Watts	Total Watts	BUG Rating	Color Temp	MH (FT)
2	2	rab01658 260W	SINGLE	1.000	ALED4T260 N /D10	261.1	261.1	522.2	B1-U0-G5	4000K	25
3	3	rab01581 360W	SINGLE	1.000	ALED4T360 N /D10	356	356	1068	B1-U0-G5	4000K	25
41	41	rab02920mc049 35W	SINGLE	1.000	PRECISION /D10	29.6	29.6	1213.6	B2-U4-G2	4000K	12

1 PHOTOMETRIC PLAN (WITH NEW AND EXISTING FIXTURES)
SCALE: N.T.S.



Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
Existing 1	Illuminance	Fc	1.63	9.4	0.0	N.A.

Luminaire Schedule										
Symbol	Qty	Label	Arrangement	LLF	Description	Arr. Watts	Total Watts	BUG Rating	Color Temp	MH (FT)
3	3	rab01658 260W	SINGLE	1.000	ALED4T260 N /D10	261.1	783.3	B1-U0-G5	4000K	25
1	1	rab01658 260W 1	BACK-BACK	1.000	ALED4T260 N /D10	261.1	522.2	B1-U0-G5	4000K	25

2 PHOTOMETRIC PLAN (WITH EXISTING FIXTURES)
SCALE: N.T.S.

DSA STAMP

SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE, OR USE WITHOUT AUTHORIZATION OF SUNPOWER CORPORATION IS STRICTLY PROHIBITED.

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. SUNPOWER SHALL NOT BE BELIEVED TO BE RESPONSIBLE FOR THE ACCURACY OF THE RECORD DRAWING. SUNPOWER ASSUMES NO RESPONSIBILITY TO THE USER OF THIS RECORD DRAWING. SUNPOWER SHALL NOT BE HELD LIABLE FOR ANY DAMAGE, LOSS, OR INJURY THAT MAY BE INCURRED AS A RESULT OF INCORRECT INFORMATION OR DATA PROVIDED IN THIS RECORD DOCUMENT. USER'S VERIFICATION OF THIS ACCURACY IS REQUIRED.



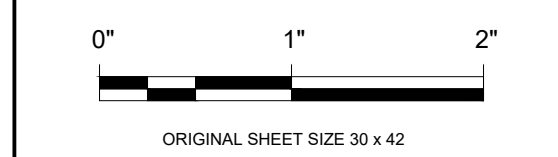
SAN DIEGO UNIFIED SCHOOL DISTRICT LANGUAGE ACADEMY

4961 LATH STREET
SAN DIEGO, CA 92115

PHOTOMETRIC PLAN

REVISION SCHEDULE		Date	DB	CR
No.	Description	7/11/2022		
1	RECORD DRAWING SET			

OPPORTUNITY 0001869149
PROJECT 12107
DATE 6/22/2022
DRAWN BY AP



ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE
SHEET **E1203**
COPYRIGHT 2016 © SUNPOWER CORP

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (revised 11/19)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 NRCC-LTO-E
 This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.2, §140.7, and §141.0(b)(2) for outdoor lighting scopes using the prescriptive path.
 Project Name: San Diego Unified School District Sandburg ES Report Page: Page 1 of 6
 Project Address: 4961 64th Street, San Diego, CA 92115 Date Prepared: 07-17-2020

A. GENERAL INFORMATION

01 Project Location (City) San Diego 04 Total Illuminated Hardscape Area (ft²) 210,000
 02 Climate Zone 7
 03 Outdoor Lighting Zone per Title 24, Part 1 §10-114 or as designated by Authority Having Jurisdiction (AHJ):
 LZ-0: Very Low - Undeveloped Parkland LZ-2: Moderate - Rural Areas LZ-4: High - Must be reviewed by CA Energy Commission for Approval
 LZ-1: Low - Developed Parkland LZ-3: Moderately High - Urban Areas

B. PROJECT SCOPE

Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2) for alterations.
 My project consists of:
 New Lighting System Must Comply with Allowances from §140.7.
 Altered Lighting System Is your alteration increasing the connected lighting load (Watts)? Yes No
 03 04 05
 % of Existing Luminaires Being Altered¹ Sum Total of Luminaires Being Added or Altered Calculation Method

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.

01		02		03		04		05		06		07		08		09	
General Hardscape Allowance §140.7(d)(1)		Per Application §140.7(d)(2)		Sales Frontage §140.7(d)(2)		Ornamental §140.7(d)(2)		Per Specific Area §140.7(d)(2)		OR Existing Power §141.0(b)(2)		Total Allowed (Watts)		Total Actual (Watts)		07 Must be ≥ 08	
6,125		+		+		+		+		OR		=		≥		COMPLIES	
Cutoff Compliance (See Table G for Details)												Not Applicable					
Controls Compliance (See Table H for Details)												COMPLIES with Exceptional Conditions					

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (revised 11/19)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 NRCC-LTO-E
 Project Name: San Diego Unified School District Sandburg ES Report Page: Page 2 of 6
 Project Address: 4961 64th Street, San Diego, CA 92115 Date Prepared: 07-17-2020

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table F, Outdoor Lighting Fixture Schedule Permit Applicant Notes:
 Canopy: According to §130.0(c)
 N Pole: According to §130.0(c)
 E Pole: According to §130.0(c)
 Table H, Outdoor Lighting Controls Permit Applicant Notes:
 Parking Lot: Motion sensors are not required because canopy lights are less than 40W and the pole heights are >24'.
 A luminaire in Table F may be required to comply with Cutoff Requirements, but nothing has been selected in Table F, Column 09.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)(2), (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).

Designated Wattage:

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ^{1,2}	How Wattage is determined	Total number luminaires ²	Luminaire Status ³	Excluded per §140.7(a)	Design Watts	Cutoff Req. ≥ 5,200 initial lumen output §130.2(b)*	Field Inspector
Canopy	Canopy Mount <input type="checkbox"/> Linear	30	Other*	41	New	<input type="checkbox"/>	1,230	<input type="checkbox"/>	Pass Fail
N Pole	New Pole Mount <input type="checkbox"/> Linear	360	Other*	3	New	<input type="checkbox"/>	1,080	<input type="checkbox"/>	Pass Fail
E Pole	Existing Pole Mount <input type="checkbox"/> Linear	260	Other*	2		<input type="checkbox"/>	520	<input type="checkbox"/>	Pass Fail
	<input type="checkbox"/> Linear					<input type="checkbox"/>	0	<input type="checkbox"/>	Pass Fail
	<input type="checkbox"/> Linear					<input type="checkbox"/>	0	<input type="checkbox"/>	Pass Fail
	<input type="checkbox"/> Linear					<input type="checkbox"/>	0	<input type="checkbox"/>	Pass Fail
	<input type="checkbox"/> Linear					<input type="checkbox"/>	0	<input type="checkbox"/>	Pass Fail
	<input type="checkbox"/> Linear					<input type="checkbox"/>	0	<input type="checkbox"/>	Pass Fail
Total Designed Watts: 2,830									

Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (revised 11/19)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 NRCC-LTO-E
 Project Name: San Diego Unified School District Sandburg ES Report Page: Page 3 of 6
 Project Address: 4961 64th Street, San Diego, CA 92115 Date Prepared: 07-17-2020

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ^{1,2}	How Wattage is determined	Total number luminaires ²	Luminaire Status ³	Excluded per §140.7(a)	Design Watts	Cutoff Req. ≥ 5,200 initial lumen output §130.2(b)*	Field Inspector
	<input type="checkbox"/> Linear					<input type="checkbox"/>	0	<input type="checkbox"/>	Pass Fail
	<input type="checkbox"/> Linear					<input type="checkbox"/>	0	<input type="checkbox"/>	Pass Fail
Total Designed Watts: 2,830									

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
 EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b).
 Canopy According to §130.0(c)
 N Pole According to §130.0(c)
 E Pole According to §130.0(c)

FOOTNOTES: Authority Having Jurisdiction may ask for luminaire cut sheets to confirm wattage used for compliance per §130.0(d)
¹ For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires.
² Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
³ Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output ≥ 5,200 unless exempted by §130.2(b).

G. CUTOFF REQUIREMENTS (BUG)

This Section Does Not Apply

H. OUTDOOR LIGHTING CONTROLS

Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
 When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt* from the dropdown list to indicate not applicable or an exemption.
 Mandatory Controls
 Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (revised 11/19)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 NRCC-LTO-E
 Project Name: San Diego Unified School District Sandburg ES Report Page: Page 4 of 6
 Project Address: 4961 64th Street, San Diego, CA 92115 Date Prepared: 07-17-2020

01	02	03	04	05
Area Description	Shut-Off §130.2(c)(1)	Auto-Schedule §130.2(c)(2)	Motion Sensor §130.2(c)(3)	Field Inspector
Parking Lot	Astronomical Timer	Yes	Exempt *	Pass Fail

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
 EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).
 Parking Lot Motion sensors are not required because canopy lights are less than 40W and the pole heights are >24'.

I. LIGHTING POWER ALLOWANCE (per §140.7)

Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
 Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (L2.2 & 3)

01		02		03		04		05		06		07		08		09		10	
General Hardscape Allowance		Per Application		Sales Frontage		Ornamental		Per Specific Area		OR		Total Allowed (Watts)		Total Actual (Watts)		07 Must be ≥ 08		COMPLIES	
6,125		+		+		+		+		OR		=		≥		COMPLIES			

J. LIGHTING ALLOWANCE: PER APPLICATION

This Section Does Not Apply

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (revised 11/19)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 NRCC-LTO-E
 Project Name: San Diego Unified School District Sandburg ES Report Page: Page 5 of 6
 Project Address: 4961 64th Street, San Diego, CA 92115 Date Prepared: 07-17-2020

L. LIGHTING ALLOWANCE: ORNAMENTAL

This Section Does Not Apply

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This Section Does Not Apply

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This Section Does Not Apply

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC

YES	NO	Form/Title	Field Inspector
			Pass Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTO-01-E - Must be submitted for all buildings.	<input type="checkbox"/> <input type="checkbox"/>
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/> <input type="checkbox"/>

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

YES	NO	Form/Title	Field Inspector
			Pass Fail
<input checked="" type="radio"/>	<input type="radio"/>	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	<input type="checkbox"/> <input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (revised 11/19)
 CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 NRCC-LTO-E
 Project Name: San Diego Unified School District Sandburg ES Report Page: Page 6 of 6
 Project Address: 4961 64th Street, San Diego, CA 92115 Date Prepared: 07-17-2020

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name: ARCHIT PATNAIK Documentation Author Signature:
 Company: PURE POWER ENGINEERING Signature Date: 07-17-2020
 Address: 403 16th Street Suite 301 CEA/ HERS Certification Identification (if applicable):
 City/State/Zip: DENVER, CO 80202 Phone: 573-202-1403

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

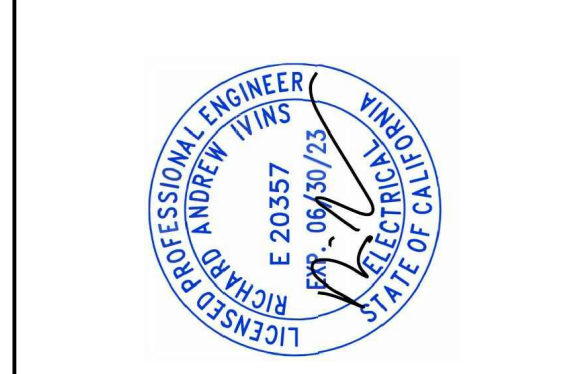
Responsible Designer Name: RICHARD IVINS Responsible Designer Signature:
 Company: PURE POWER ENGINEERING Date Signed: 07-17-2020
 Address: 5 MARINE VIEW PLAZA - SUITE 301 License: PE# E20357
 City/State/Zip: HOBOKEN, NJ 07030 Phone: 201-687-9975

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

DSA STAMP

SUNPOWER™
 1414 Harbour Way South
 Richmond, CA 94804 USA
 (510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE, PHOTOCOPYING, OR ANY FORM OF INFORMATION STORAGE AND RETRIEVAL SYSTEMS IS PROHIBITED.



SAN DIEGO UNIFIED SCHOOL DISTRICT LANGUAGE ACADEMY

TITLE 24 CERTIFICATE OF COMPLIANCE

4961 64TH STREET
 SAN DIEGO, CA 92115

REVISION SCHEDULE

No.	Date	Description
1	08/09/2020	DSR SUBMITTAL
2	06/22/2022	AS BUILT DRAWINGS

OPPORTUNITY 0001869149
 PROJECT 12107
 DATE 6/22/2022
 DRAWN BY AP

0" 1" 2"
 ORIGINAL SHEET SIZE 30 x 42
 IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

E1301
 COPYRIGHT 2016 © SUNPOWER CORP

SUNPOWER
SWITCHBOARD
SSB-01

SIGN A-1 SIGN AT ELECTRICAL EQUIPMENT

SUNPOWER
AC STATION #1

SIGN A-2 SIGN AT EACH AC STATION

WARNING
- ELECTRIC SHOCK HAZARD -
IF A GROUND FAULT IS INDICATED,
NORMALLY GROUNDED
CONDUCTORS MAY BE
UNGROUND AND ENERGIZED

SIGN A-1 SIGN AT EACH INVERTER

WARNING
PV ARRAY DISCONNECT
- ELECTRIC SHOCK HAZARD -
DO NOT TOUCH TERMINALS.
TERMINALS ON BOTH THE LINE AND
LOAD SIDES MAY BE ENERGIZED IN
THE OPEN POSITION

SIGN B-2 SIGN AT EACH INVERTER

WARNING
LINKED TO THE MAIN SYSTEM
- ELECTRIC SHOCK HAZARD -
THE DC CONDUCTORS OF THIS
PHOTOVOLTAIC SYSTEM ARE
UNGROUND AND MAY BE
ENERGIZED

SIGN B-3 SIGN AT EACH INVERTER

WARNING
THIS EQUIPMENT HAS SECONDARY
POWER SOURCE FROM
PHOTOVOLTAIC SYSTEM
PV SYSTEM MAX AC OUTPUT CURRENT: 41.6A
PV SYSTEM OPERATING VOLTAGE: 4160V

SIGN B-4 SIGN AT POINT OF INTERCONNECTION AND AT UTILITY DISCONNECT

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

SIGN D-1 SIGN AT RAPID SHUTDOWN INITIATION DEVICE AND UTILITY DISCONNECT

WARNING
TURN OFF PHOTOVOLTAIC
AC DISCONNECT PRIOR TO
WORKING INSIDE PANEL

SIGN D-2 SIGN AT UTILITY DISCONNECT

WARNING
ARC FLASH AND SHOCK HAZARD
Appropriate PPE and Tools Required
when working on this equipment.

OUTDOOR RATED STICKER MOUNTED ON ALL EQUIPMENT

DANGER
HIGH VOLTAGE
KEEP OUT

SIGN B-5 SIGN AT ELECTRICAL EQUIPMENT

WARNING
12000V VOLTS INSIDE
CAN SHOCK, BURN, OR CAUSE DEATH
-KEEP OUT-
QUALIFIED PERSONNEL ONLY

SIGN B-6 SIGN AT ELECTRIC SUPPLY STATION

SUNPOWER SIGNAGE NOTES:

- REFER TO DISTRICT SPECS "26 05 53 IDENTIFICATION FOR ELECTRICAL SYSTEMS" AND "26 60 00 SOLAR PHOTOVOLTAICS SECTION (3.1) REQUIRED PLACARDS" FOR ADDITIONAL INFORMATION.
- SIGNAGE SHALL BE WEATHER RESISTANT. UL 969 SHALL BE USED AS A STANDARD FOR WEATHER RATING.
- MAIN SERVICE DISCONNECT MARKING SHALL BE PLACED ADJACENT TO MAIN SERVICE DISCONNECT IN A LOCATION CLEARLY VISIBLE FROM THE LOCATION WHERE THE LEVER IS OPERATED.
- MARKING IS REQUIRED ON ALL INTERIOR AND EXTERIOR DC CONDUIT, RACEWAYS, ENCLOSURES, CABLE ASSEMBLIES, AND JUNCTION BOXES TO ALERT THE FIRE SERVICE TO AVOID CUTTING THEM. MARKING SHALL BE PLACED EVERY 10', AT TURNS AND ABOVE AND/OR BELOW PENETRATIONS, AND AT ALL DC COMBINER AND JUNCTION BOXES.
- COLOR FOR DAS WARNING SIGN, UTILITY LOCKABLE AC DISCONNECT, SOLAR GENERATOR ON PREMISES, POWER METER, INTERCONNECT PANEL SECONDARY POWER SIGN WILL BE BLACK TEXT ON ORANGE BACKGROUND. THE COLOR FOR DISCONNECT SIGNAGE WILL BE BLACK TEXT ON WHITE BACKGROUND, AND THE CAUTION SIGN WILL BE ON WHITE TEXT WITH RED BACKGROUND.
- DO NOT USE SCREWS FOR SIGNAGE ATTACHMENT, USE ONLY APPROVED ADHESIVE.
- SIGNAGE ON THIS SHEET TO BE USED IN CONJUNCTION WITH SUNPOWER DOCUMENT "SPECIFICATION, D&E, ELECTRICAL, PRODUCT, SIGNAGE" # 505614.
- FOR SUNPOWER EMERGENCY RESPONDER SIGNS, REFER TO SUNPOWER DOCUMENT # 505614, APPENDIX D.
- ALL PLACARDS SHALL BE MACHINE GENERATED PHENOLIC TYPE WITH RED BACKGROUND AND WHITE LETTERING, AFFIXED TO EQUIPMENT WITH STAINLESS STEEL SCREWS OR WITH PERMANENT ADHESIVE WHERE SET SCREWS ARE NOT FEASIBLE. MINIMUM LETTERING SIZE TO BE 1/4" UNLESS OTHERWISE NOTED OR REQUIRED FOR LEGIBILITY.
- ATTACH NAMEPLATES WITH CORROSION RESISTANT SCREWS OR EPOXY ADHESIVE.
- PROVIDE UTILITY-REQUIRED SYSTEM DIRECTORY PLACARD AND UTILITY SAFETY SWITCH IDENTIFICATION PLACARD AS REQUIRED BY LOCAL UTILITY COMPANY, TO IDENTIFY ALL SYSTEM COMPONENTS.

ADDITIONAL SIGNAGE (IF APPLICABLE):

- MULTIPLE POWER SOURCE WARNING: "DANGER - ELECTRICAL SHOCK HAZARD - EQUIPMENT HAS MULTIPLE POWER SOURCES."
- WORKSPACE CLEARANCE WARNING: "WARNING - OSHA REGULATION - AREA IN FRONT OF ELECTRICAL EQUIPMENT MUST BE KEPT CLEAR FOR 36 INCHES."
- PROVIDE A PLACARD CLEARLY VISIBLE AT EACH MAIN SERVICE PANEL TO IDENTIFY BOTH SOURCES OF POWER, WITH THE FOLLOWING WORDING IN 1/4" HIGH LETTERING PER CEC 690.64(B)(4): "WARNING - THIS SERVICE IS FED BY TWO SOURCES OF POWER - THE UTILITY SERVICE MAIN DISCONNECT AND THE PV SYSTEM MAIN DISCONNECT - BOTH SERVICES MUST BE DISCONNECTED TO REMOVE POWER FROM THE SWITCHBOARD".
- PROVIDE A PLACARD ON EACH PV SYSTEM INPUT CIRCUIT BREAKER (WHERE USED) AT THE MAIN PANEL WITH THE FOLLOWING WORDING IN 1/4" HIGH LETTERING PER CEC 690.64(B)(7): "WARNING - INVERTER OUTPUT CONNECTION - DO NOT RELOCATE THIS OVERCURRENT DEVICE".
- PROVIDE A PLACARD ON THE MAIN PV SYSTEM DISCONNECT (ADJACENT TO EACH MAIN SERVICE PANEL) WITH THE FOLLOWING INFORMATION IN 1/4" HIGH LETTERING PER CEC 690.53: "PHOTOVOLTAIC POWER SOURCE DISCONNECT - OPERATING CURRENT: X AMPS; OPERATING VOLTAGE: XX VAC; MAXIMUM SYSTEM VOLTAGE: XX VAC; SHORT-CIRCUIT CURRENT: XXX AMPS", WHERE X IS THE OPERATING CURRENT, XX IS THE SYSTEM VOLTAGE, AND XXX IS THE MAXIMUM SHORT CIRCUIT CURRENT CONTRIBUTION OF THE GENERATING FACILITY AT THE POINT OF INTERCONNECTION WITH THE UTILITY SYSTEM.
- PROVIDE A PLACARD AT EACH MAIN SWITCHBOARD WITH THE FOLLOWING INFORMATION IN 1/4" HIGH LETTERING PER CEC 690.54: "CAUTION - POSSIBLE BACKFEED FROM PHOTOVOLTAIC POWER SYSTEM - X VAC, XX AMPS", WHERE X IS THE SYSTEM VOLTAGE AND XX IS THE MAXIMUM AC AMPERES OF THE INSTALLED SYSTEM.
- PROVIDE A PLACARD ON EACH PV SYSTEM INVERTER WITH THE FOLLOWING INFORMATION IN 1/4" HIGH LETTERING: "PHOTOVOLTAIC POWER SOURCE INVERTER RATING - OPERATING CURRENT: XX AMPS; OPERATING VOLTAGE: XXX VDC; MAXIMUM SYSTEM VOLTAGE: 1,000 VDC; SHORT-CIRCUIT CURRENT: XXXX AMPS", WHERE XX IS THE MAXIMUM DC AMPERES OF THE INSTALLED SYSTEM, XXX IS THE OPERATING VOLTAGE DC, AND XXXX IS THE SHORT CIRCUIT CURRENT THAT THE INVERTER CAN PROVIDE (FROM ALL STRINGS IN PARALLEL).
- PROVIDE A PLACARD FOR ALL COMBINER BOXES TO READ: "DC COMBINER BOX [XXX]- [SYSTEM VOLTAGE] VDC MAXIMUM".

MULTIPLE INVERTER SYSTEM
THIS SYSTEM CONTAINS MULTIPLE
UTILITY INTERACTIVE INVERTERS. SEE SITE
DIRECTORY AT MAIN SERVICE
DISCONNECT FOR GENERAL LOCATIONS

SIGN C-1 SIGN AT EACH INVERTER

**INVERTER AC DISCONNECT
DIRECTORY**
PANELBOARD INVERTERS
SSB-01 01-INV-01
 01-INV-02
.....

SIGN C-5 SIGN AT EACH PANELBOARD/SWITCHBOARD

INVERTER AC DISCONNECT
INVERTER AC DISCONNECT LOCATED
INTERNAL TO THIS INVERTER. READILY
ACCESSIBLE INVERTER AC DISCONNECT
LOCATED AT:
01-INV-01

SIGN C-2 SIGN AT EACH INVERTER

PV POWER SOURCE
MAXIMUM VOLTAGE (Voc): 85.6V
MAXIMUM CIRCUIT
CURRENT (Isc): 6.43A

SIGN C-6 SIGN AT EACH INVERTER

INVERTER AC DISCONNECT
READILY ACCESSIBLE INVERTER AC
DISCONNECT LOCATED AT:
01-INV-01

SIGN C-3 SIGN AT EACH INVERTER

**INVERTER AC DISCONNECT
DIRECTORY**
CKT#1 01-INV-01 CKT#4 02-INV-01
CKT#2 01-INV-02 CKT#5 02-INV-02
....

SIGN C-4 SIGN AT EACH INVERTER

1 ELECTRICAL WARNING SIGNS
SCALE: NTS

DSA STAMP

SUNPOWER™

1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE, OR USE WITHOUT AUTHORIZATION OF SUNPOWER CORPORATION IS STRICTLY PROHIBITED.

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. TO THE BEST OF OUR KNOWLEDGE AND BELIEF, WE ASSUME NO RESPONSIBILITY TO THE ACCURACY OF THE RECORD DRAWING INTO IT AS A RESULT OF INCORRECT INFORMATION THAT HAS BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT RECORD DOCUMENT ARE ADVISED TO VERIFY THE ACCURACY OF ITS INFORMATION.



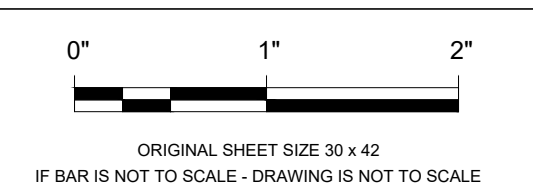
SAN DIEGO UNIFIED
SCHOOL DISTRICT
LANGUAGE ACADEMY

4961 64TH STREET
SAN DIEGO, CA 92115

ELECTRICAL SIGNAGE

No.	RECORD DRAWING SET	Date	DB	CR
	Design No. - Description	7/11/2022		

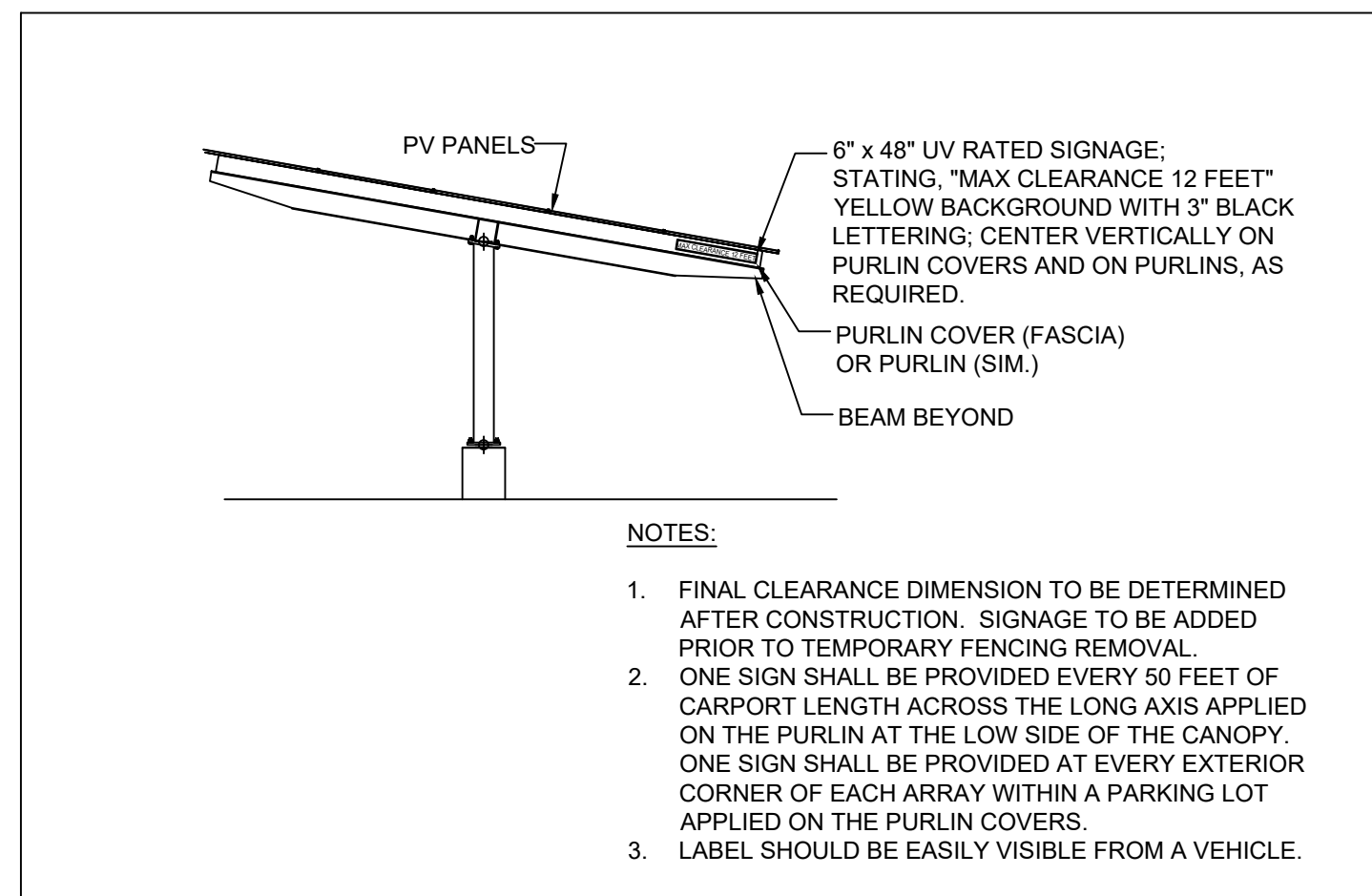
OPPORTUNITY 0001869149
PROJECT 12107
DATE 6/22/2022
DRAWN BY AP



ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE
SHEET E1501
COPYRIGHT 2016 © SUNPOWER CORP



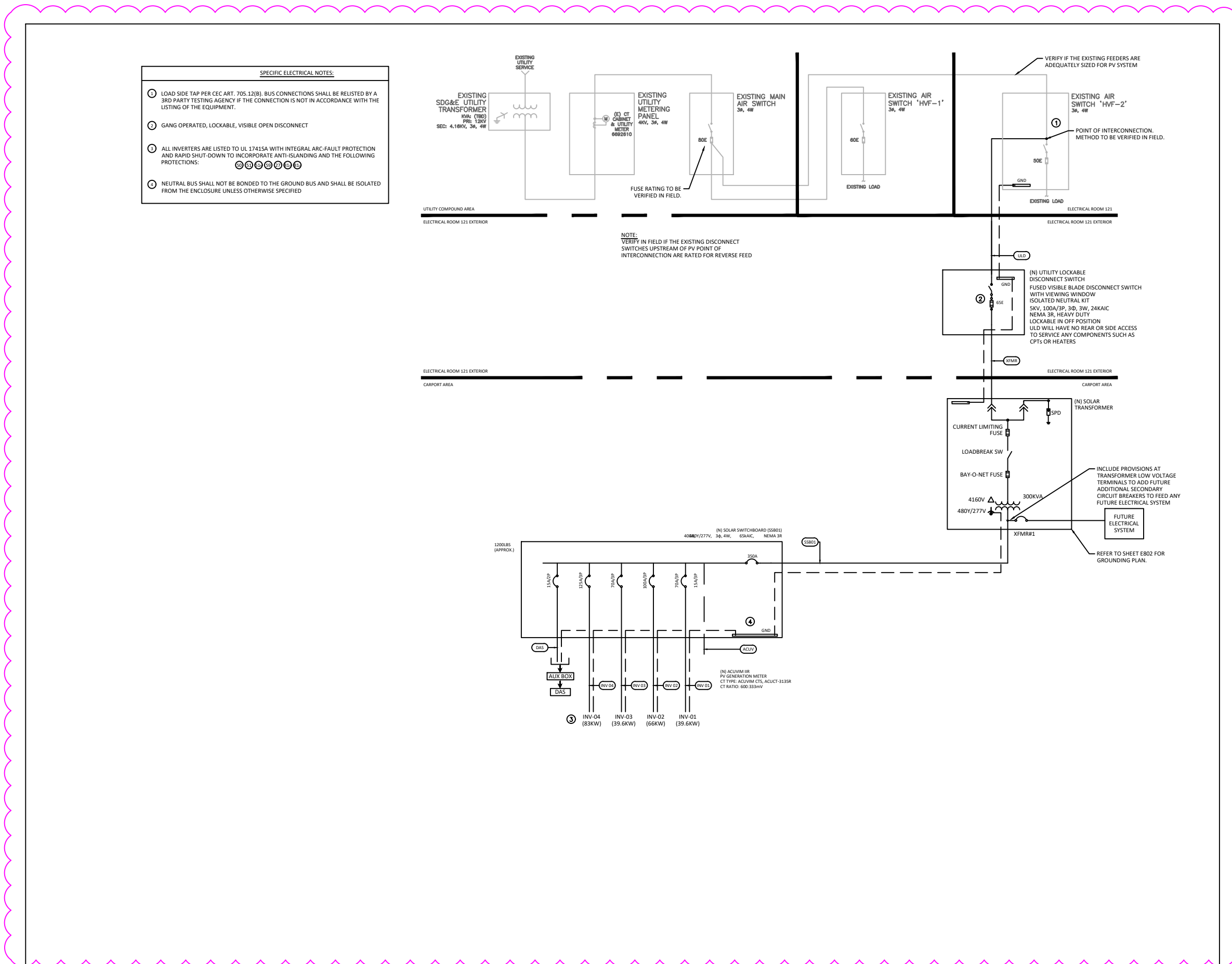
SIGN #C-11 SIGN AT POINT OF INTERCONNECTION AND AT EVERY EXISTING DISCONNECT ON LINE-SIDE OF POINT OF INTERCONNECTION



CLEARANCE HEIGHT

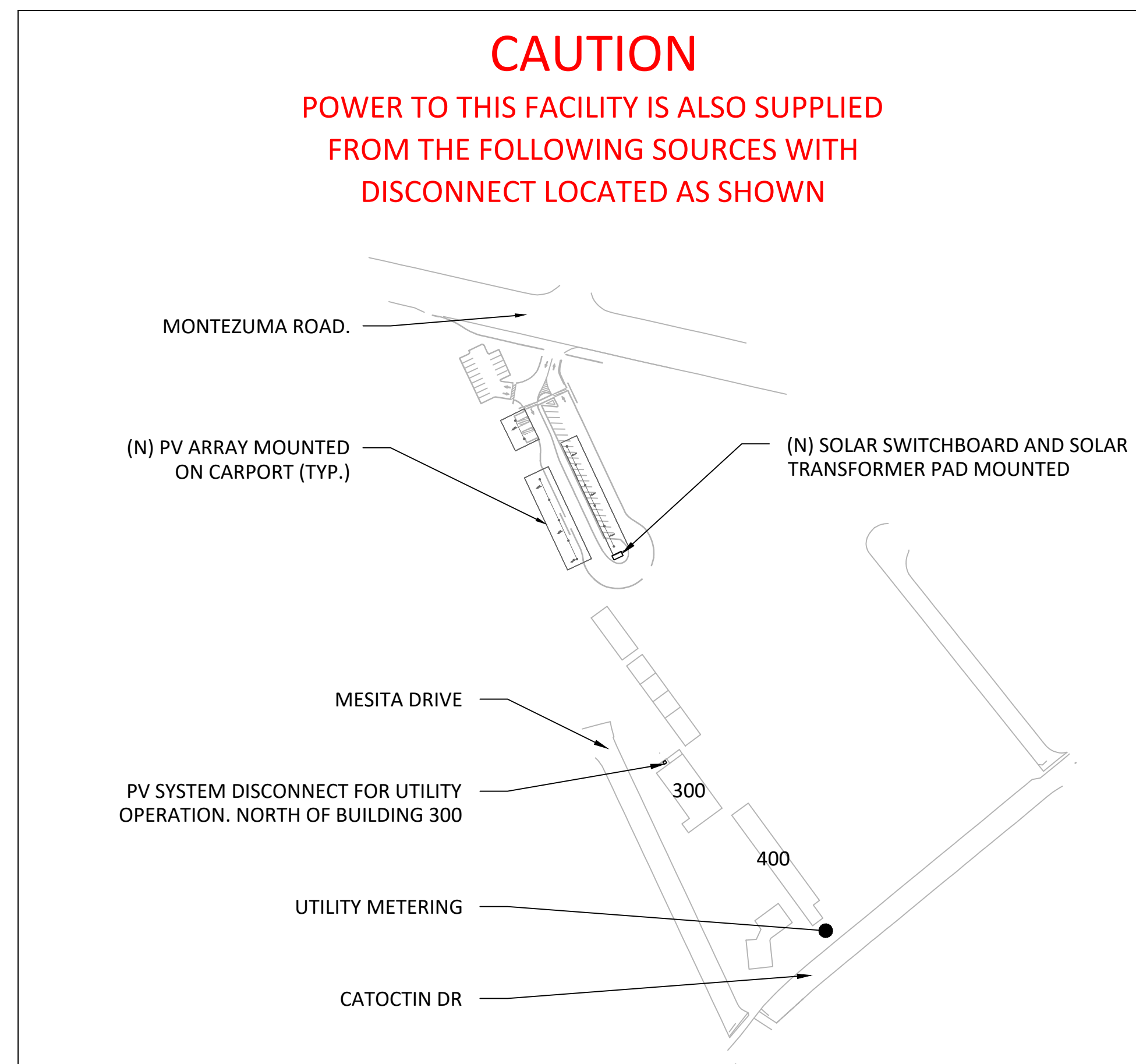
- SUNPOWER SIGNAGE NOTES:**
- REFER TO DISTRICT SPECS "26 05 53 IDENTIFICATION FOR ELECTRICAL SYSTEMS" AND "26 60 00 SOLAR PHOTOVOLTAICS SECTION (3.1) REQUIRED PLACARDS" FOR ADDITIONAL INFORMATION.
 - SIGNAGE SHALL BE WEATHER RESISTANT. UL 969 SHALL BE USED AS A STANDARD FOR WEATHER RATING.
 - MAIN SERVICE DISCONNECT MARKING SHALL BE PLACED ADJACENT TO MAIN SERVICE DISCONNECT IN A LOCATION CLEARLY VISIBLE FROM THE LOCATION WHERE THE LEVER IS OPERATED.
 - MARKING IS REQUIRED ON ALL INTERIOR AND EXTERIOR DC CONDUIT, RACEWAYS, ENCLOSURES, CABLE ASSEMBLIES, AND JUNCTION BOXES TO ALERT THE FIRE SERVICE TO AVOID CUTTING THEM. MARKING SHALL BE PLACED EVERY 10', AT TURNS AND ABOVE AND/OR BELOW PENETRATIONS, AND AT ALL DC COMBINER AND JUNCTION BOXES.
 - COLOR FOR DAS WARNING SIGN, UTILITY LOCKABLE AC DISCONNECT, SOLAR GENERATOR ON PREMISES, POWER METER, INTERCONNECT PANEL SECONDARY POWER SIGN WILL BE BLACK TEXT ON ORANGE BACKGROUND. THE COLOR FOR DISCONNECT SIGNAGE WILL BE BLACK TEXT ON WHITE BACKGROUND, AND THE CAUTION SIGN WILL BE ON WHITE TEXT WITH RED BACKGROUND.
 - DO NOT USE SCREWS FOR SIGNAGE ATTACHMENT, USE ONLY APPROVED ADHESIVE.
 - SIGNAGE ON THIS SHEET TO BE USED IN CONJUNCTION WITH SUNPOWER DOCUMENT "SPECIFICATION, D&E, ELECTRICAL, PRODUCT, SIGNAGE" # 505614.
 - FOR SUNPOWER EMERGENCY RESPONDER SIGNS, REFER TO SUNPOWER DOCUMENT # 505614, APPENDIX D.
 - ALL PLACARDS SHALL BE MACHINE GENERATED PHENOLIC TYPE WITH RED BACKGROUND AND WHITE LETTERING, AFFIXED TO EQUIPMENT WITH STAINLESS STEEL SCREWS OR WITH PERMANENT ADHESIVE WHERE SET SCREWS ARE NOT FEASIBLE. MINIMUM LETTERING SIZE TO BE 1/4" UNLESS OTHERWISE NOTED OR REQUIRED FOR LEGIBILITY.
 - ATTACH NAMEPLATES WITH CORROSION RESISTANT SCREWS OR EPOXY ADHESIVE.
 - PROVIDE UTILITY-REQUIRED SYSTEM DIRECTORY PLACARD AND UTILITY SAFETY SWITCH IDENTIFICATION PLACARD AS REQUIRED BY LOCAL UTILITY COMPANY, TO IDENTIFY ALL SYSTEM COMPONENTS.

- ADDITIONAL SIGNAGE (IF APPLICABLE):**
- MULTIPLE POWER SOURCE WARNING: "DANGER - ELECTRICAL SHOCK HAZARD - EQUIPMENT HAS MULTIPLE POWER SOURCES."
 - WORKSPACE CLEARANCE WARNING: "WARNING - OSHA REGULATION - AREA IN FRONT OF ELECTRICAL EQUIPMENT MUST BE KEPT CLEAR FOR INCHES."
 - PROVIDE A PLACARD CLEARLY VISIBLE AT EACH MAIN SERVICE PANEL TO IDENTIFY BOTH SOURCES OF POWER, WITH THE FOLLOWING WORDING IN 1/4" HIGH LETTERING PER CEC 690.64(B)(4): "WARNING - THIS SERVICE IS FED BY TWO SOURCES OF POWER - THE UTILITY SERVICE MAIN DISCONNECT AND THE PV SYSTEM MAIN DISCONNECT - BOTH SERVICES MUST BE DISCONNECTED TO REMOVE POWER FROM THE SWITCHBOARD".
 - PROVIDE A PLACARD ON EACH PV SYSTEM INPUT CIRCUIT BREAKER (WHERE USED) AT THE MAIN PANEL WITH THE FOLLOWING WORDING IN 1/4" HIGH LETTERING PER CEC 690.64(B)(7): "WARNING - INVERTER OUTPUT CONNECTION - DO NOT RELOCATE THIS OVERCURRENT DEVICE".
 - PROVIDE A PLACARD ON THE MAIN PV SYSTEM DISCONNECT (ADJACENT TO EACH MAIN SERVICE PANEL) WITH THE FOLLOWING INFORMATION IN 1/4" HIGH LETTERING PER CEC 690.53: "PHOTOVOLTAIC POWER SOURCE DISCONNECT - OPERATING CURRENT: X AMPS; OPERATING VOLTAGE: XX VAC; MAXIMUM SYSTEM VOLTAGE: XX VAC; SHORT-CIRCUIT CURRENT: XXX AMPS", WHERE X IS THE OPERATING CURRENT, XX IS THE SYSTEM VOLTAGE, AND XXX IS THE MAXIMUM SHORT CIRCUIT CURRENT CONTRIBUTION OF THE GENERATING FACILITY AT THE POINT OF INTERCONNECTION WITH THE UTILITY SYSTEM.
 - PROVIDE A PLACARD AT EACH MAIN SWITCHBOARD WITH THE FOLLOWING INFORMATION IN 1/4" HIGH LETTERING PER CEC 690.54: "CAUTION - POSSIBLE BACKFEED FROM PHOTOVOLTAIC POWER SYSTEM - X VAC, XX AMPS", WHERE X IS THE SYSTEM VOLTAGE AND XX IS THE MAXIMUM AC AMPERES OF THE INSTALLED SYSTEM.
 - PROVIDE A PLACARD ON EACH PV SYSTEM INVERTER WITH THE FOLLOWING INFORMATION IN 1/4" HIGH LETTERING: "PHOTOVOLTAIC POWER SOURCE INVERTER RATING - OPERATING CURRENT: XX AMPS; OPERATING VOLTAGE: XXX VDC; MAXIMUM SYSTEM VOLTAGE: 1,000 VDC; SHORT-CIRCUIT CURRENT: XXXX AMPS", WHERE XX IS THE MAXIMUM DC AMPERES OF THE INSTALLED SYSTEM, XXX IS THE OPERATING VOLTAGE DC, AND XXXX IS THE SHORT CIRCUIT CURRENT THAT THE INVERTER CAN PROVIDE (FROM ALL STRINGS IN PARALLEL).
 - PROVIDE A PLACARD FOR ALL COMBINER BOXES TO READ: "DC COMBINER BOX [XXX] - [SYSTEM VOLTAGE] VDC MAXIMUM".



SIGN #C-10 SIGN AT AC SYSTEM DISCONNECT, AT POINT OF INTERCONNECTION AND AT EVERY EXISTING DISCONNECT ON LINE-SIDE OF POINT OF INTERCONNECTION

NOTE: A PERMANENT AND LEGIBLE SINGLE-LINE DIAGRAM OF THE LOCAL SWITCHING ARRANGEMENT, CLEARLY IDENTIFYING EACH POINT OF CONNECTION TO THE HIGH-VOLTAGE SECTION, SHALL BE PROVIDED WITHIN SIGHT OF EACH POINT OF CONNECTION



SIGN #C-9 SIGN AT AC SYSTEM DISCONNECT AND AT POINT OF INTERCONNECTION

1 ELECTRICAL WARNING SIGNS
SCALE: NTS

DSA STAMP

SUNPOWER™

1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS RECORD DRAWING HAS BEEN PREPARED IN PART BASED UPON INFORMATION FURNISHED BY OTHERS. SUNPOWER CORP. DOES NOT BELIEVE IT TO BE REASONABLY ASSURED TO BE RELIABLE. SUNPOWER ASSUMES NO RESPONSIBILITY TO THE ACCURACY OF THIS RECORD DRAWING THAT MAY HAVE BEEN INCORPORATED INTO IT AS A RESULT OF INCORRECT INFORMATION. SUNPOWER, THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO VERIFY THE ACCURACY OF ITS INFORMATION.



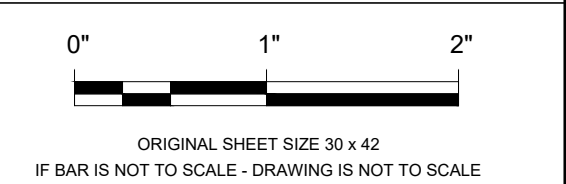
SAN DIEGO UNIFIED SCHOOL DISTRICT LANGUAGE ACADEMY

4961 64TH STREET
SAN DIEGO, CA 92115

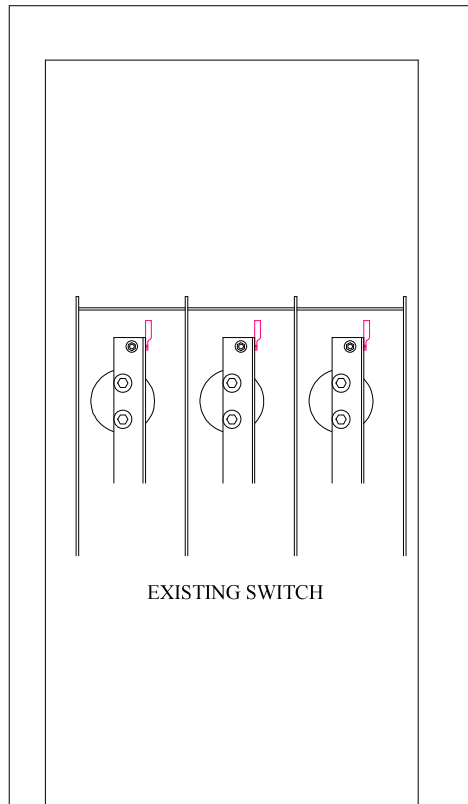
ELECTRICAL SIGNAGE

No.	REVISION SCHEDULE	Date	DB	CR
1	RECORD DRAWING SET	7/11/2022		

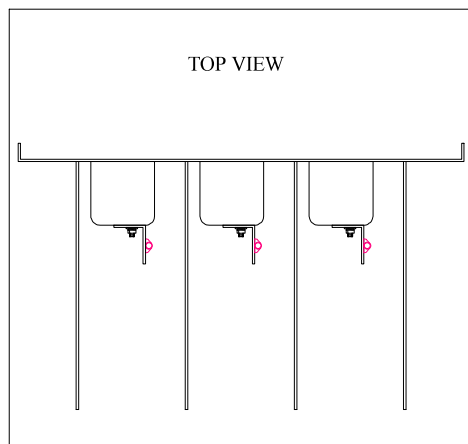
OPPORTUNITY 0001869149
PROJECT 12107
DATE 6/22/2022
DRAWN BY AP



ORIGINAL SHEET SIZE 30 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE
SHEET E1502
COPYRIGHT 2016 © SUNPOWER CORP



NEW 100A LUG TAP ASSEMBLY SHOWN HIGHLIGHTED (LUGS BY OTHERS)



NOTE:
ALL PV SOURCE TAP CONDUCTORS MUST ENTER THROUGH THE TOP OF SECTION. CONDUCTORS MUST NOT PENETRATE ANY UTILITY SEALED AREAS.

**MINIMUM SPACINGS (5000V)
 INDOOR BARE BUS CLEARANCES**

MINIMUM SPACING BETWEEN LIVE PARTS OF OPPOSITE POLARITY		MINIMUM SPACING BETWEEN LIVE PARTS AND GROUNDED METAL PARTS	
THROUGH AIR	OVER SURFACE	THROUGH AIR	OVER SURFACE
4.50"	5.0"	3.0"	3.50"

CAUTION:
 THIS TAP ASSEMBLY IS NOT A STANDARD PRODUCT. EACH TAP ASSEMBLY IS CUSTOM DESIGNED TO MEET THE EXISTING CONDITIONS. WHILE EVERY EFFORT IS MADE TO PROVIDE A PROPER TAP ASSEMBLY, THE INSTALLING CONTRACTOR SHOULD VERIFY IN ADVANCE THAT THE MIN. SPACINGS LISTED ABOVE WILL BE MET, AND IF FOUND TO BE INCORRECT DO NOT INSTALL.

SHOP DRAWING/SUBMITTAL REVIEW

APPROVED APPROVED AS NOTED
 REVIEWED REVISE & RESUBMIT

ENGINEER'S REVIEW IS FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT AND CONTRACT DOCUMENTS. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY, FOR CONFIRMING AND CORRELATING ALL SIZES, QUANTITIES, AND DIMENSIONS, AND FOR MEANS AND METHODS OF ASSEMBLY.

BY: ARCHIT P DATE: 09/27/2021
 PURE POWER ENGINEERING, 110BOKEN, NJ 07030

Please confirm fabrication with NRTL

SERVICE	100A 4160V 3PH 3W LUG TAP TO EXISTING 200A POWER IN CONTROL SECTION
BUS	N/A
LUGS	(1) #2AWG COMPRESSION LUGS PER PHASE (LUGS BY OTHERS)
APPLICATION:	PV SYSTEM - LINE SIDE TAP

NOTE: THE DESIGN OF THE TAPS APPLIES NEC BENDING SPACES AS INDICATED IN PARAGRAPH 300.34

THE BUS MATERIAL UTILIZED FOR THESE CONNECTIONS MEET THE UL REQUIREMENTS FOR BUS DENSITY AND AMPERAGE RATING BY TAKING INTO CONSIDERATION THE CROSS SECTIONAL AND VOLUME FORMULAS FOR THE BUS MATERIAL REMOVED TO ACCOMMODATE THE MOUNTING HOLES FOR JOINT AND LUG CONNECTIONS. CALCULATIONS ARE ON FILE FOR REVIEW UPON REQUEST.

PACIFIC ELECTRIC HAS DETERMINED THAT THIS CONNECTION TO AN EXISTING MV LOAD INTERRUPTER SWITCH MEETS IEEE AND ANSI STANDARDS FOR MEDIUM VOLTAGE SWITCHGEAR, HOWEVER THE AHJ MAY REQUIRE ADDITIONAL FIELD EVALUATION BY UL OR OTHER ACCEPTABLE NRTL.

PLEASE NOTE:
 THE CONTRACTOR IS RESPONSIBLE TO PROPERLY TIGHTEN ALL BOLTS AND LUG CONNECTIONS IN ACCORDANCE WITH THE TORQUE LABEL PROVIDED. YOU MAY ALSO BE ASKED TO PROVIDE A LETTER TO THE INSPECTION AUTHORITIES CERTIFYING THE ABOVE BEFORE THE BUILDING INSPECTOR WILL APPROVE THIS INSTALLATION.

A TORQUE SPECIFICATION LABEL WILL BE INCLUDED WITH THE SHIPMENT FOR THE PROPER TIGHTENING OF THE BOLTS PROVIDED FOR THIS CONNECTION.

TORQUE VALUES				
SLOTTED HEAD SCREWS WIRE SIZE	1/4 SLOT OR LESS	OVER 1/4 SLOT	HARDWARE	
			HEX CAP SCREWS	BUS BOLTS HEX CAP & CARRIAGE
18-10	20 IN LB	35 IN LB	10-32 AL = 30 IN LB	
8	25 IN LB	40 IN LB	10-24 CU = 50 IN LB	
6-4	35 IN LB	45 IN LB		
3	35 IN LB	50 IN LB	1/4-20 AL = 50 IN LB	6 FT LB
2	40 IN LB	50 IN LB	1/4-20 CU = 72 IN LB	6 FT LB
3-1/0		50 IN LB	5/16-18 = 144 IN LB	12 FT LB
			3/8-16 = 250 IN LB	20 FT LB
			1/2-13	50 FT LB

SOCKET SIZE ACROSS FLATS (INCH)	TIGHTENING TORQUE FOR SOCKET HEAD SCREWS (POUND-INCHES)
1/8	45
5/32	100
3/16	120
7/32	150
1/4	200
5/16	275
3/8	375
1/2	500
9/16	600

REFER TO COMPONENT MARKING FOR TORQUE RATING. IF NOT MARKED, USE THESE VALUES.

THIS EQUIPMENT HAS BEEN TESTED AND INSPECTED BEFORE SHIPMENT. SHIPPING CONDITIONS MAY HAVE LOOSENED SOME CONNECTIONS. BEFORE ENERGIZING, IT IS RECOMMENDED THAT THE TIGHTNESS OF ALL CONNECTIONS BE CHECKED.

QTY	DESCRIPTION
3	1/4-20 X 1-1/2" GR. 5 HEX HEAD BOLTS
6	1/4" USS FLAT WASHERS
3	1/4" RAMP CONICAL WASHERS
3	1/4-20 HEX NUTS
1	TAP LABEL
1	LASHING LABEL

DATE: 12/3/20 SHEET 1 OF 1

CONTRACTOR: ELITE ELECTRIC MARK: 20-186

DISTRIBUTOR: CED-RIVERSIDE PO. NO. 6448-JS901276D

DRAWING NO. 0T15166-R1

Pacific Electric, Inc.
 42640 Rio Nido Temecula, Ca. 92590
 (951) 296-1562

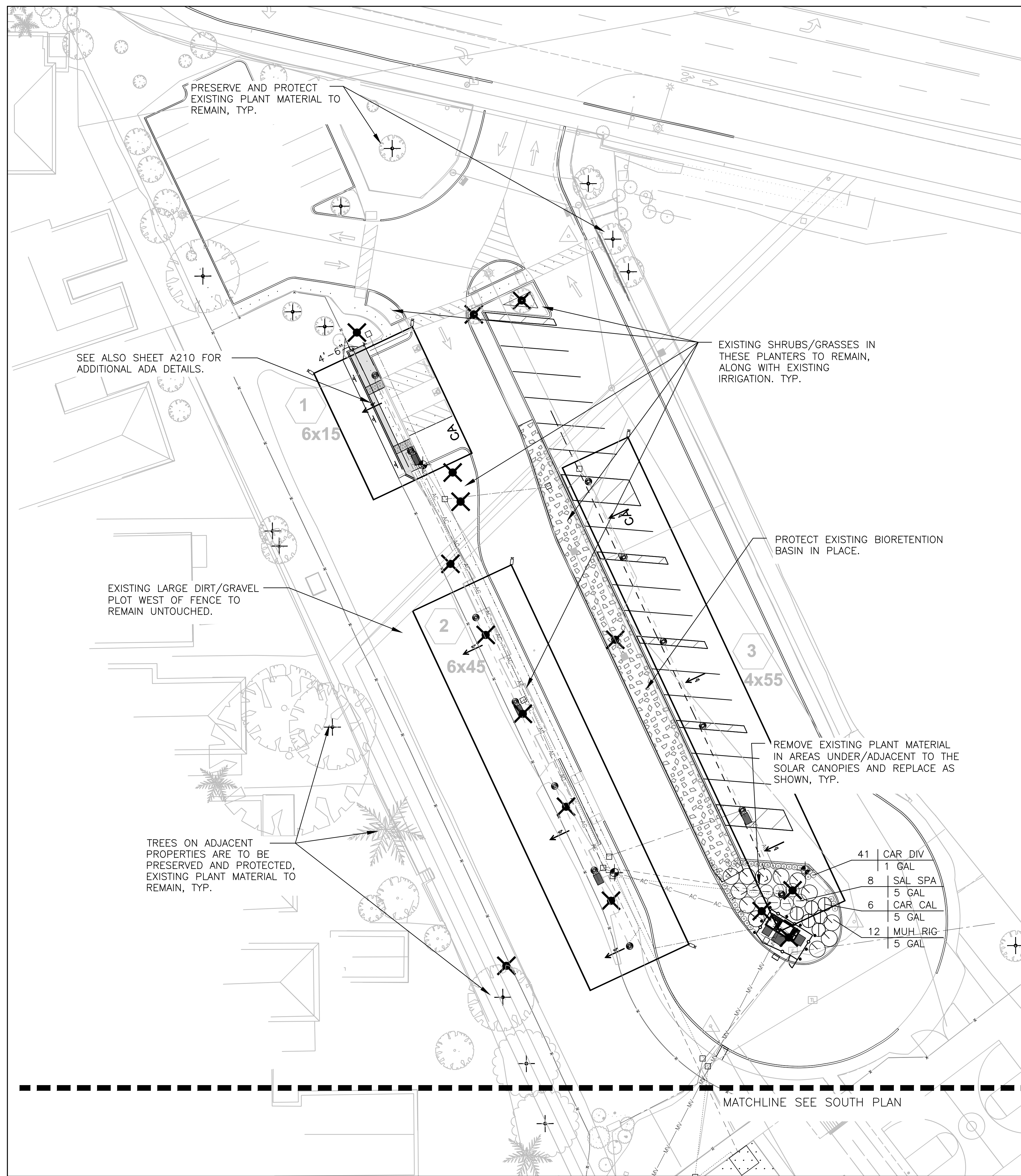
PROJECT: LANGUAGE ACADEMY
 4961 64TH STREET
 SAN DIEGO, CA 92115

DRAWN BY: DR SCALE: NTS

REVISE TO ANSI AND IEEE STANDARDS

09/23/21 VH

DATE: BY:



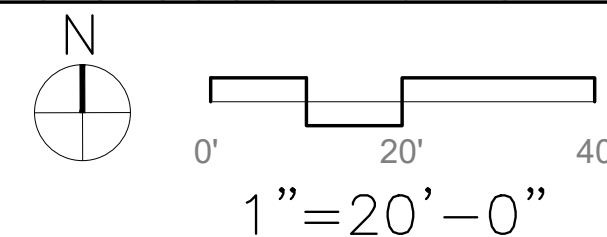
NORTH PLAN

PLANTING LEGEND

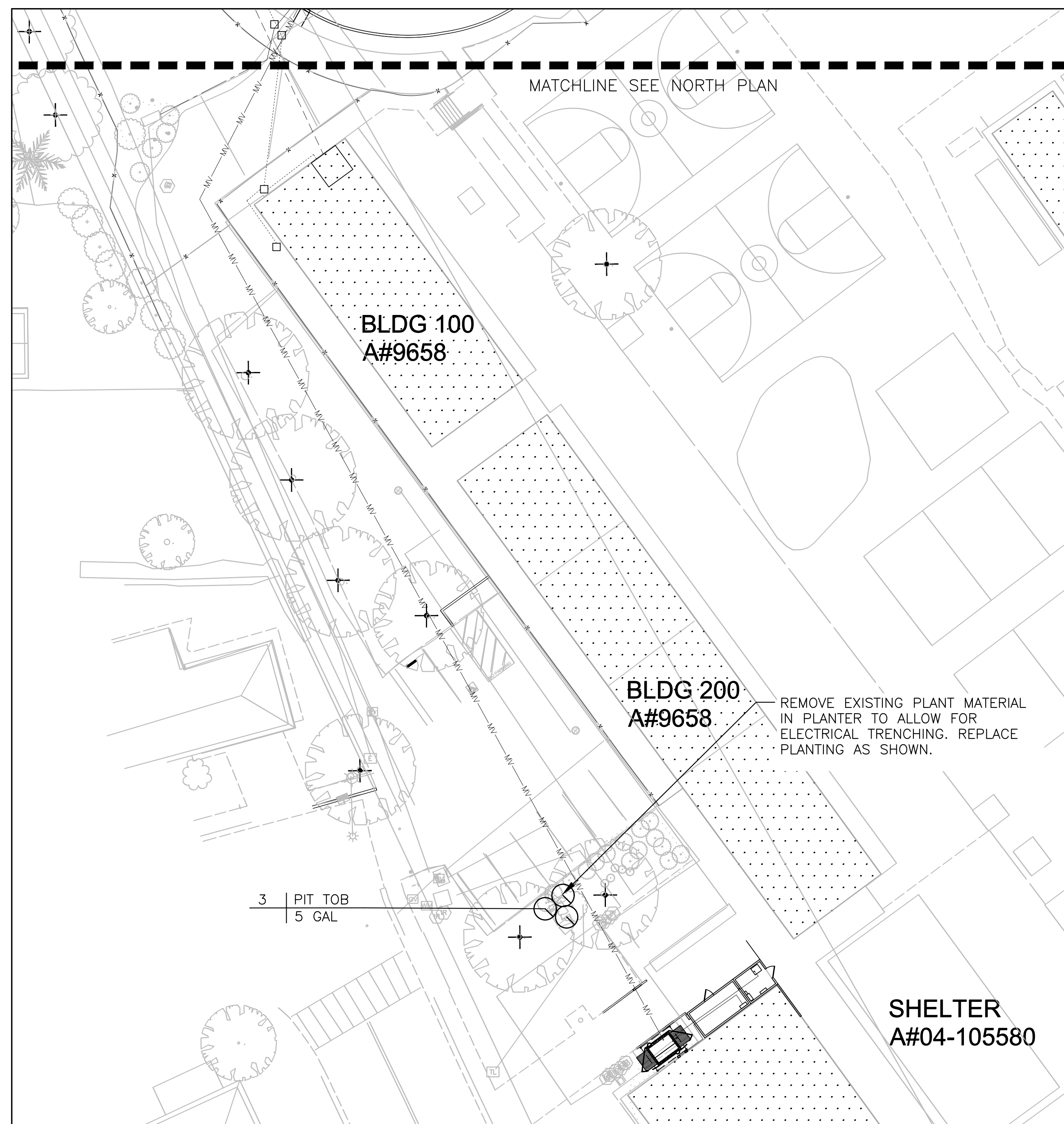
KEY	DESCRIPTION	DETAIL	KEY	DESCRIPTION
---	PROPERTY LINE		---	EXISTING CHAINLINK FENCE TO REMAIN
GAL	GALLON		+	EXISTING TREE TO REMAIN; REFER TO SPECS. FOR PROTECTION
O.C.	ON CENTER		X	EXISTING TREE TO BE REMOVED
TYP.	TYPICAL			
EX.	EXISTING, TYP.			

PLANT SCHEDULE

SHRUBS/GRASSES	CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ON-CENTER SPACING	WUCOLS IV	
⊙	CAR DIV	41	CAREX DIVULSA	BERKELEY SEDGE	1 GAL	2'-0"	LOW	(BIOSWALE SAFE PLANT)
⊙	CAR CAL	6	CARPENTERIA CALIFORNICA	BUSH ANEMONE	5 GAL	5'-0"	LOW	
⊙	MUH RIG	12	MUHLENBERGIA RIGENS	DEER GRASS	5 GAL	6'-0"	LOW	(BIOSWALE SAFE PLANT)
⊙	SAL SPA	8	SALVIA SPATHACEA	HUMMINGBIRD SAGE	1 GAL	5'-0"	LOW	(BIOSWALE SAFE PLANT)
⊙	PIT TOB	3	PITTIOSPORUM TOBIRA	JAPANESE PITTIOSPORUM	5 GAL	6'-0"	MED	(TO MATCH EXISTING)



RECORD DRAWINGS
 TO THE BEST OF THE LANDSCAPE ARCHITECT'S KNOWLEDGE THIS RECORD DRAWING REPRESENTS ACTUAL CONSTRUCTED CONDITIONS FOR THIS PROJECT. HOWEVER, IN PREPARING THIS RECORD DRAWING, THE LANDSCAPE ARCHITECT HAS RELIED UPON AS-BUILT DOCUMENTATION PROVIDED BY THE GENERAL CONTRACTOR, WHICH HAS NOT BEEN FIELD VERIFIED BY THE LANDSCAPE ARCHITECT. ANYONE USING THIS DRAWING IS URGED TO PERFORM THEIR OWN FIELD VERIFICATION WORK TO DETERMINE THE STATE OF CURRENT EXISTING CONDITIONS.



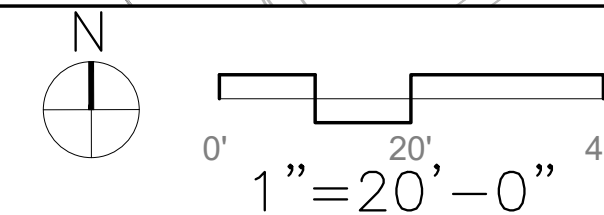
SOUTH PLAN

GENERAL NOTES

- CONTRACTOR IS TO NOTIFY DIGALERT(811) AT LEAST TWO DAYS PRIOR TO STARTING WORK AND ARRANGE FOR AND COORDINATE SHUT DOWN, DISCONNECTION, AND CAPPING OF EXISTING UTILITIES (IF REQUIRED) WITH THE APPROPRIATE UTILITY OWNERS PRIOR TO COMMENCING WORK.
- PROTECT IN PLACE EXISTING IMPROVEMENTS, STRUCTURES, AND UNDERGROUND UTILITIES WHICH ARE TO REMAIN. MAINTAIN UTILITY SERVICES TO EXISTING FACILITIES, UNLESS OTHERWISE SPECIFIED.
- THE LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THE DRAWINGS WERE OBTAINED FROM GROUND PENETRATING RADAR. A SEARCH OF AVAILABLE RECORD DRAWINGS FOR IRRIGATION WERE OBTAINED FROM SDSUD.
- REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

LANDSCAPE PLANTING NOTES

- ALL UNDERGROUND UTILITIES SHALL BE LOCATED BEFORE START OF WORK.
- EXISTING TREES TO BE PROTECTED PER DISTRICT STANDARDS. REFER TO DISTRICT STANDARD TREE PROTECTION SPECIFICATIONS.
- PROVIDE 3" MULCH OVER ALL NEW SHRUB AND GROUND COVER AREAS
- ALL SHRUBS AND GROUND COVER SHALL BE SET 1/2 THE DIMENSION OF THE SPACING FROM ADJACENT WALL, AND CURBS, UTILITY STRUCTURES AND WALLS UNLESS OTHERWISE SHOWN. ALL SHRUB AND GROUND COVER SPACING SHALL BE TRIANGULAR UNLESS DRAWN OTHERWISE. NO NEW PLANTS WITHIN 6' OF TRUNK OF EXISTING TREES.
- WHERE CIRCLES SHOW PLANTS, TRUNK OF PLANT EQUALS CENTER POINT OF CIRCLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ANY DAMAGE OR DESTRUCTION TO EXISTING PLANT MATERIALS AND TO RESTORE THE SAME SPECIES TO ITS ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE, SEE SPECS.
- REFER TO SPECIFICATIONS FOR SOIL AMENDMENTS, FERTILIZER AND PLANTING INFORMATION. ALL PROPOSED AREAS OF NEW PLANTING WITH EXISTING TOPSOIL SHALL HAVE 2" ORGANIC AMENDMENT BLEND INTO EXISTING SOIL, SEE SPECS.
- ALL PLANTING AREAS SHALL RECEIVE WEED CONTROL, SEE SPECS.
- PLANT TREES A MINIMUM OF 4'-0" FROM EDGE OF PAVING, UTILITY STRUCTURES, UNLESS RESTRICTED BY SIZE OF PLANTER. NOTIFY OWNER'S REPRESENTATIVE OF CONFLICTS PRIOR TO PLANTING.
- CONTRACTOR SHALL MAINTAIN ENTIRE AREA WITHIN LIMIT OF WORK LINE INCLUDING MANUAL WATERING OF EXISTING PLANT MATERIAL AS SPECIFIED. CONTRACTOR SHALL VERIFY THAT ALL ADJACENT EXISTING PLANT MATERIAL AFFECTED BY CONSTRUCTION OPERATIONS SHALL RECEIVE WATERING REGULARLY. REFER TO SPECS.
- FOR THE PURPOSE OF PLANT QUALITY VERIFICATION: WHERE PLANTS ARE INDICATED BY CIRCLES, SYMBOLS TAKE PRECEDENCE OVER QUANTITY CALL OUTS. WHERE PLANTS ARE INDICATED BY A HATCH PATTERN, ON-CENTER SPACING SPECIFIED IN THE PLANT LIST TAKES PRECEDENCE OVER QUALITY CALL OUTS.
- PRIOR TO REMOVING ANY EXISTING PLANT MATERIAL, CONTRACTOR SHALL MEET WITH THE OWNER'S REPRESENTATIVE, FLAG ALL PLANT MATERIAL TO BE REMOVED AND TO REMAIN, AND PHOTOGRAPH EXISTING CONDITIONS TO VERIFY IDENTIFIED PLANTS TO REMAIN ARE NOT HARMED DURING THE CONSTRUCTION PROCESS. CONTRACTOR SHALL REPLACE ANY EXISTING PLANTING TO REMAIN THAT WERE DAMAGED DURING CONSTRUCTION OPERATIONS TO THE SATISFACTION OF THE OWNER.
- DO NOT USE CHEMICAL FERTILIZERS, PESTICIDES, HERBICIDES OR COMMERCIAL SOIL AMENDMENT. USE ORGANIC MATERIALS REVIEW INSTITUTE (OMRI) MATERIALS AND COMPOST. REFER TO THE BAY-FRIENDLY LANDSCAPE GUIDELINES: <http://www.stopwaste.org/resource/brochures//bay-friendly-landscape-guidelines-sustainable-practices-landscape-professional> FOR GUIDANCE.



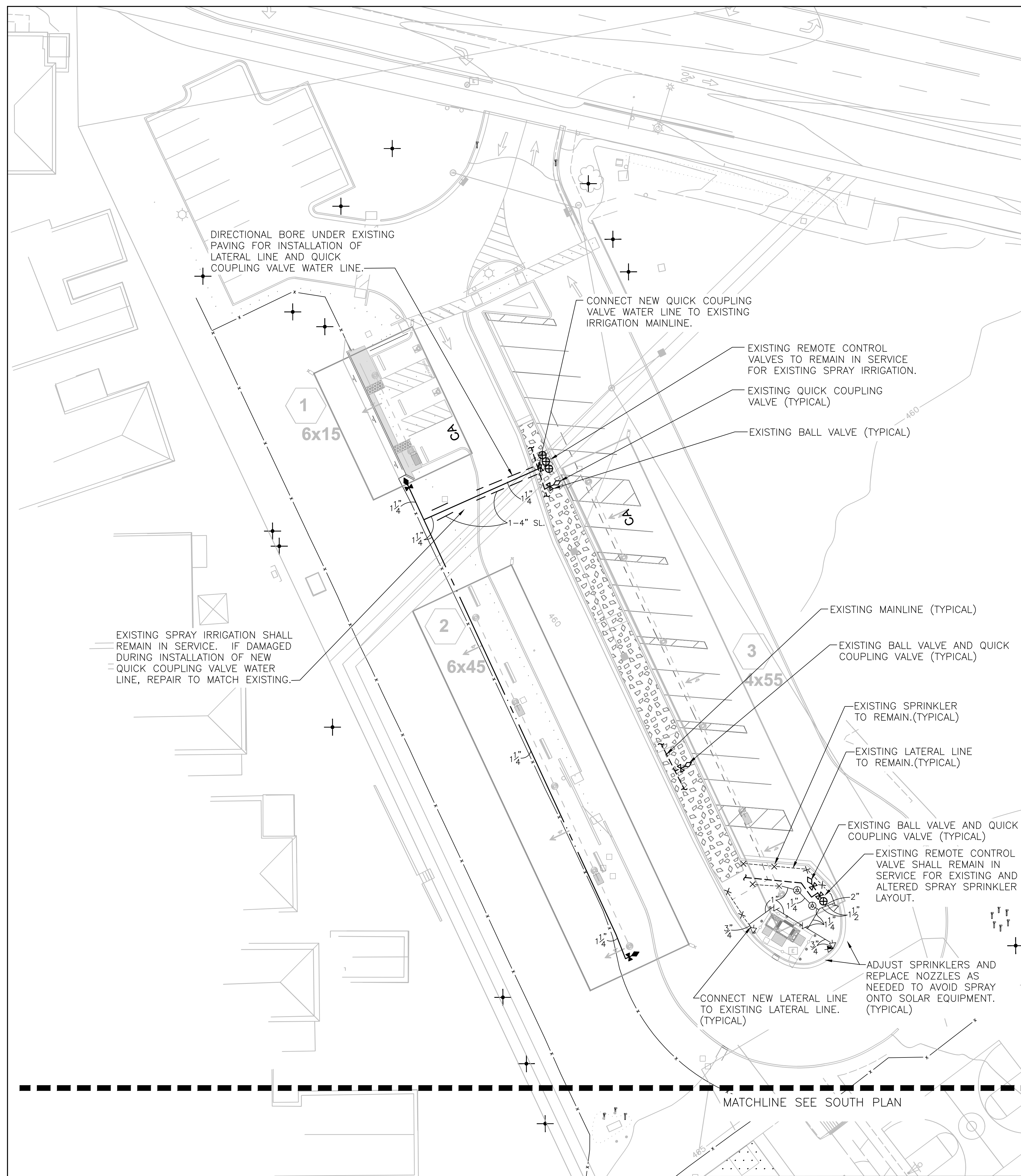
SUNPOWER™
 1414 Harbour Way South
 Richmond, CA 94804 USA
 (510) 540-0550



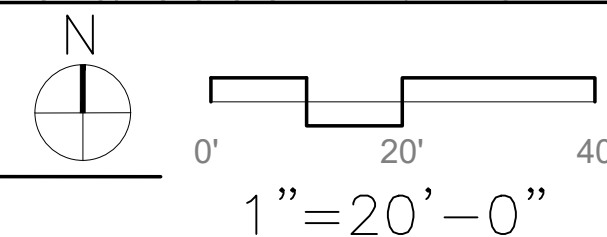
SAN DIEGO UNIFIED SCHOOL DISTRICT
 LANGUAGE ACADEMY
 4981 64TH ST. SAN DIEGO, CA 92115

REVISION SCHEDULE	No.	Design No. - Description	Date	DB	CR
	1	RECORD DRAWING SET	7/11/2022		

OPPORTUNITY 0001869149
 PROJECT 12107
 DATE 7/12/2022
 DRAWN BY GD, DWN

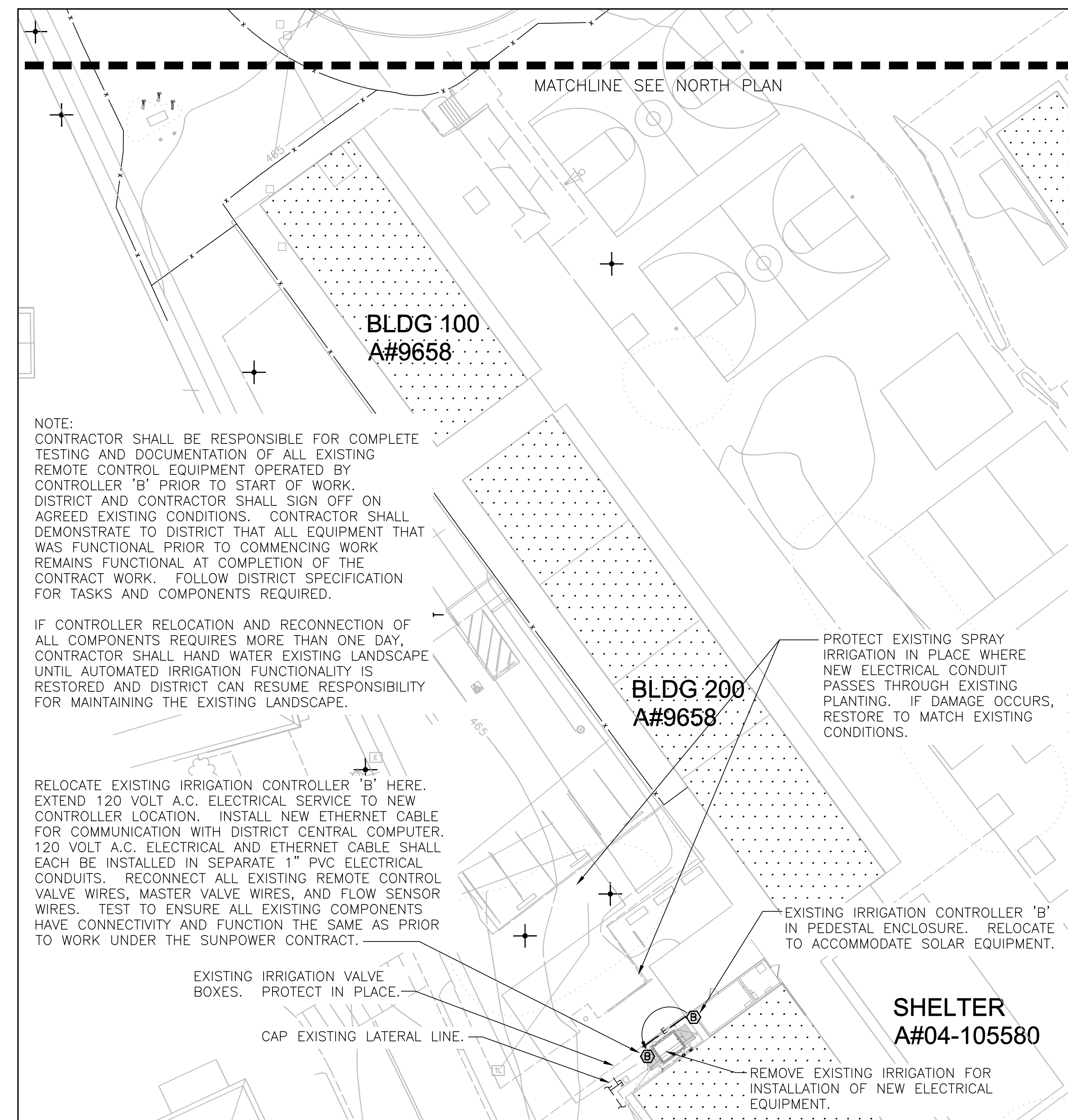


NORTH PLAN



NOTES – EXISTING CONDITIONS

- LANDSCAPE AREAS HAVE AN EXISTING IRRIGATION SYSTEM THAT IS CONTROLLED REMOTELY AND THE DISTRICT MUST BE MADE AWARE OF ANY DISRUPTION TO THE WATER SUPPLY IN ORDER TO PLAN ACCORDINGLY.
- CONTRACTOR TO FIELD VERIFY LOCATIONS AND FUNCTIONALITY OF ALL EXISTING AUTOMATIC IRRIGATION EQUIPMENT AFFECTED BY NEW WORK. PERFORM TESTING IN THE PRESENCE OF THE DISTRICT TO ENSURE THERE ARE NO SURPRISES OR DISPUTES OF MALFUNCTIONING IRRIGATION EQUIPMENT AT PROJECT CLOSEOUT. CONTRACTOR TO SUBMIT A FIELD OBSERVATION REPORT TO THE DISTRICT FOR WRITTEN APPROVAL OF THE FIELD REPORT AND EXISTING CONDITIONS.
- IRRIGATION CONTRACTOR IS TO NOTIFY GENERAL CONTRACTOR OF POTENTIAL IRRIGATION CONFLICTS WITH NEW CONSTRUCTION PRIOR TO BEGINNING OF CONSTRUCTION ACTIVITY AND COORDINATE IRRIGATION INSTALLATION WITH OTHER NEW IMPROVEMENTS. IRRIGATION CONTRACTOR IS TO COORDINATE AND RECEIVE APPROVAL OF ANY SHUTDOWN OF THE IRRIGATION MAINLINE OR POTABLE WATER SUPPLY WITH DISTRICT IRRIGATION SPECIALIST PRIOR TO PERFORMING ANY WORK.
- CONTRACTOR IS TO TURN OFF IRRIGATION MAINLINE WATER SUPPLY PRIOR TO ANY CONSTRUCTION AND IDENTIFY BREAKS IN THE MAINLINE AND/OR LATERAL LINES AFTER INITIAL DEMO OPERATIONS ON SITE AND REPAIR AS REQUIRED.
- THE EXISTING IRRIGATION MAINLINE AND WIRES ARE TO REMAIN OPERATIONAL AT ALL TIMES DURING DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO MODIFY EXISTING IRRIGATION SYSTEM AS REQUIRED DURING WORK TO MAINTAIN A FULLY FUNCTIONAL IRRIGATION SYSTEM WITHIN AND BEYOND LIMITS OF WORK FOR THE SCHOOL SITE. CONTRACTOR TO PROVIDE TEMPORARY HIGH LINES FOR IRRIGATION MAINLINE AND WIRES WHERE EXISTING SERVICES MUST BE DISTURBED AND CANNOT REMAIN IN PLACE. REMOVE AND RESTORE ALL IRRIGATION EQUIPMENT BELOW GRADE TO THE SATISFACTION OF THE DISTRICT REPRESENTATIVE FOR COMPLETION OF PROJECT CONSTRUCTION PHASE.
- CONTRACTOR IS TO REPAIR EXISTING IRRIGATION IMPACTED BY ELECTRICAL TRENCHING AND ANY OTHER CONSTRUCTION THAT IMPACTS THE IRRIGATION SYSTEM IN LANDSCAPE AREAS.
- REMOVE ALL SPRINKLERS AND BUBBLERS WHERE PLANTERS ARE ELIMINATED OR CONVERTED TO A DIFFERENT METHOD OF IRRIGATION. CAP RISERS BELOW GRADE WITH SOLVENT WELD CAPS. (THREADED CAPS SHALL NOT BE USED BELOW PAVING.) IRRIGATION MAINLINES AND WIRES SHALL BE PROTECTED IN PLACE.
- UPON COMPLETION OF THE IRRIGATION SYSTEM THE CONTRACTOR WILL BE REQUIRED TO DEMONSTRATE THAT THE ENTIRE IRRIGATION SYSTEM (FOR THE AFFECTED AREAS ONLY) ARE OPERATIONAL.



SOUTH PLAN

IRRIGATION LEGEND

SYMBOL	MODEL NUMBER	DESCRIPTION
∇	RD15-S-P-30-12-H	RAIN BIRD POP-UP SPRAY SPRINKLER (SHRUB)
⊙ ∇	RD12-S-P-30-12-F,Q	RAIN BIRD POP-UP SPRAY SPRINKLER (SHRUB)
∇	RD12-S-P-30-10-Q	RAIN BIRD POP-UP SPRAY SPRINKLER (SHRUB)
◆	44LRC	RAIN BIRD QUICK COUPLING VALVE
▶	2122-012-1 1/4"	SPEARS, INC. FULL PORT BALL VALVE
---		MAINLINE: 1120-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT-WELD FITTINGS. 18" COVER. 24" COVER UNDER VEHICULAR PAVING.
---		SLEEVING: 1120-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT-WELD FITTINGS. 18" COVER. 24" COVER UNDER VEHICULAR PAVING.

IRRIGATION WATERING SCHEDULE

POP-UP SPRAY SPRINKLER IRRIGATION FOR LOW WATER-USE SHRUBS/GROUNDCOVER	
SPRINKLER MANUFACTURER:	RAIN BIRD
LOCATION:	SAN DIEGO, CALIFORNIA
PRECIPITATION RATE (INCHES/HOUR):	1.85
HEAD SPACING:	VARIABLE
IRRIGATION SYSTEM EFFICIENCY:	0.81
HEAD GPM:	VARIABLE
PLANT FACTOR:	0.30
YEAR 2 REDUCTION AMOUNT:	-10% OF YEAR 1 (ESTABLISHMENT) RUN TIME MINUTES
	MONTH: JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC TOTAL
ETP PER MONTH (INCHES):	2.10 2.40 3.40 4.60 5.10 5.30 5.70 5.60 4.30 3.60 2.40 2.00 46.50
APPLIED ETP PER WEEK (INCHES):	0.485 0.554 0.785 1.062 1.178 1.224 1.316 1.293 0.993 0.831 0.554 0.462
MINUTES OF WATER PER WEEK:	YEAR 1 6 7 9 13 14 15 16 16 12 10 7 6 YEAR 2 5 6 8 11 13 13 14 14 11 9 6 5
DAYS PER WEEK:	YEAR 1 1 1 2 3 3 3 3 3 2 1 1 YEAR 2 1 1 2 3 3 3 3 3 2 1 1
MINUTES OF WATER PER DAY:	YEAR 1 6 7 5 4 5 5 5 5 4 5 7 6 YEAR 2 5 6 4 4 4 4 4 5 4 4 6 5
CYCLES PER DAY:	YEAR 1 1 1 1 1 1 1 1 1 1 1 1 1 YEAR 2 1 1 1 1 1 1 1 1 1 1 1 1
MINUTES PER CYCLE:	YEAR 1 6 7 5 4 5 5 5 5 4 5 7 6 YEAR 2 5 6 4 4 4 4 4 5 4 4 6 5

NOTES:
THE CHARTS ARE INTENDED TO BE USED AS A GUIDELINE ONLY AND INDICATE APPROXIMATE RUN TIMES (IN MINUTES) FOR EACH ZONE BASED ON ESTIMATED WEEKLY WATER REQUIREMENTS FOR ESTABLISHED PLANT MATERIAL. THE FIGURES SHOWN IN THIS SCHEDULE ARE APPROXIMATE AND HAVE BEEN DEVELOPED FROM LOCAL CURRENT AVERAGES FOR EVAPOTRANSPIRATION, AND REFLECT MAXIMUM IRRIGATION REQUIREMENTS OF THE PLANT MATERIAL BASED ON PLANT TYPE AND SPACING. ACTUAL RUN TIMES MAY BE DIFFERENT DEPENDING ON A VARIETY OF FACTORS INCLUDING TOPOGRAPHY, SOIL STRUCTURE, SUN AND WIND EXPOSURE, WEATHER, ACTUAL PLANT WATER REQUIREMENTS, ETC.

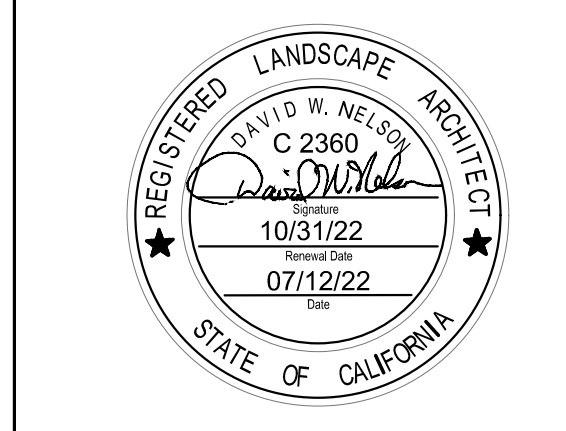
AS-BUILT

TO THE BEST OF THE IRRIGATION DESIGNER'S KNOWLEDGE, THIS RECORD DRAWING REPRESENTS ACTUAL CONSTRUCTED CONDITIONS FOR THIS PROJECT. IN PREPARING THIS RECORD DRAWING, THE IRRIGATION DESIGNER HAS RELIED UPON AS-BUILT DOCUMENTATION PROVIDED BY THE GENERAL CONTRACTOR. CONTRACTOR PROVIDED INFORMATION HAS NOT BEEN VERIFIED BY THE IRRIGATION DESIGNER. ANYONE USING THIS DRAWING IS URGED TO PERFORM THEIR OWN FIELD VERIFICATION WORK TO DETERMINE THE STATE OF CURRENT EXISTING CONDITIONS.

NOTE:
REFER TO SHEET L202 FOR IRRIGATION DETAILS AND NOTES.

DICKSON & ASSOCIATES, INC.
LANDSCAPE IRRIGATION
(833) 547-5515 www.dicksoninc.net
PALO ALTO, CALIFORNIA 94024
P.O. BOX 416
© Dickson & Associates, Inc.

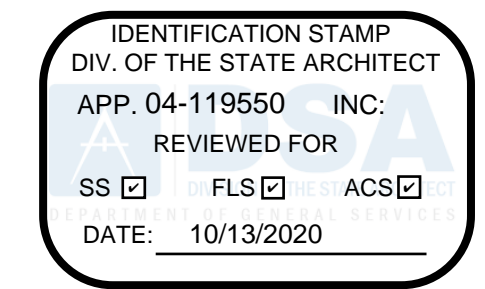
SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550



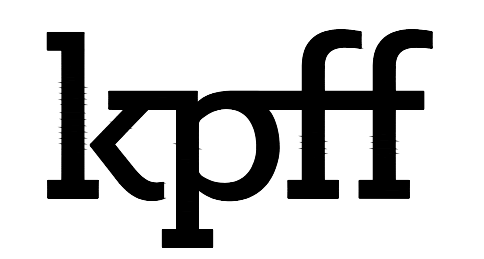
SAN DIEGO UNIFIED SCHOOL DISTRICT
LANGUAGE ACADEMY
4981 64TH ST. SAN DIEGO, CA 92115

REVISION SCHEDULE	DATE	DESCRIPTION
1	7/11/2022	RECORD DRAWING SET

OPPORTUNITY 0001869149
PROJECT 12107
DATE 7/12/2022
DRAWN BY GD, DWN

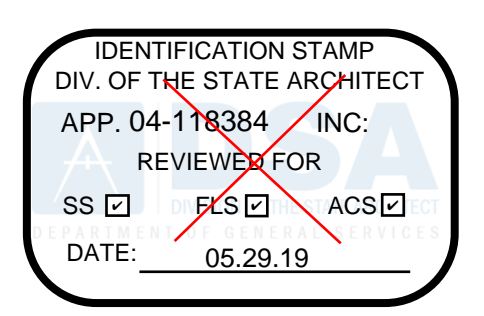


SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550



3131 Camino Del Rio North, Suite 1080
San Diego, California 92108
(619) 521-8500 Fax (619) 521-8591
www.kpff.com kpff project #1800207

SUNPOWER / KPFF
DSA - PC PV STRUCTURE SYSTEM
TITLE SHEET

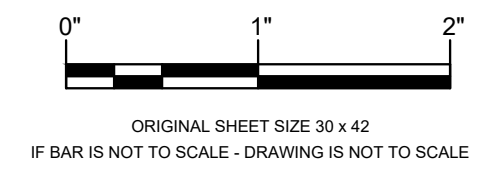


PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



REVISION SCHEDULE table with columns: No., Description, Date, DB, CR

OPPORTUNITY 1571185
PROJECT 1800207
DATE 06/29/2018
DRAWN BY LQ/SW



SHEET S001
COPYRIGHT 2018 © SUNPOWER CORP

SUNPOWER

DSA-PC PV STRUCTURE SYSTEM

SHEET LIST table with columns: SHEET, DESCRIPTION

BUILDING DATA

- 1. CLASSIFICATION OF CONSTRUCTION IS TYPE IIB.
- 2. OCCUPANCY CLASSIFICATION:
 - A. U:
 - B. MAX. AREA = 3,000 FT²
 - A-2 MAX. AREA = 9,500 FT²
 - C. E:
 - D. MAX. AREA = 14,500 FT²
 - S-2 MIN. AREA = 3000 FT² MAX. AREA = UNLIMITED
- 3. RISK CATEGORY IS II
- 4. THE STRUCTURE IS A SINGLE-STORY OPEN CARPORT STRUCTURE.
- 5. FOR GENERAL STRUCTURAL NOTES SEE SHEETS S100.

CODES AND STANDARDS

- ALL WORK SHALL CONFORM TO:
- 1. 2016 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
- 2. 2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2015 INTERNATIONAL BUILDING CODE AND 2016 CALIFORNIA AMENDMENTS)
- 3. 2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2014 NATIONAL ELECTRIC CODE AND 2016 CALIFORNIA AMENDMENTS)
- 4. 2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (2015 UNIFORM MECHANICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
- 5. 2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2015 UNIFORM PLUMBING CODE AND 2016 CALIFORNIA AMENDMENTS)
- 6. 2016 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
- 7. 2016 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R. (2015 INTERNATIONAL FIRE CODE AND 2016 CALIFORNIA AMENDMENTS)
- 8. 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.
- 9. 2016 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.

LEGAL INFORMATION

- USE OF THIS DSA-PC DOCUMENT WITHOUT THE WRITTEN CONSENT OF SUNPOWER AND KPFF CONSULTING ENGINEERS IS STRICTLY PROHIBITED. THIS DSA-PC DOCUMENT IS COPYRIGHT SUNPOWER, AND KPFF CONSULTING ENGINEERS, 2016.
- KPFF CONSULTING ENGINEERS SHALL ALWAYS ACT AS THE ENGINEER-OF-RECORD FOR ANY PROJECT USING THIS DSA-PC DOCUMENT.
- PLEASE CONTACT SUNPOWER FOR PRICING AND FABRICATION OF THE DESIGNS CONTAINED IN THIS DSA-PC DOCUMENT.
- THE USE OF THIS DSA-PC DOCUMENT SHALL BE RESTRICTED TO THE PROJECT FOR WHICH IT HAS BEEN SPECIFIED. REUSE, REPRODUCTION, OR PUBLICATION, IN WHOLE OR IN PART, IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SUNPOWER AND KPFF CONSULTING ENGINEERS.

DESIGN PARAMETERS CHECKLIST

CODE: 2016 CALIFORNIA BUILDING CODE, REFERRED TO AS "THE CODE"
GOVERNING JURISDICTION: DIVISION OF THE STATE ARCHITECT (DSA)
CONSTRUCTION TYPE: IIB
OCCUPANCY CLASSIFICATION A-2 E S-2 U
RISK CATEGORY: II
ROOF DEAD LOADS:
PV PANEL + MISC.....(2.5 PANEL + 0.25 MISC) PSF MAX.
ROOF LIVE LOADS:
DISTRIBUTED.....10 PSF NON-CONCURRENT W/ PV PANEL DEAD LOAD
POINT LOAD.....300 LBS CONCURRENT W/ PV PANEL DEAD
WIND ANALYSIS: DIRECTIONAL PROCEDURE PER ASCE 7, CHAPTER 27
BASIC WIND SPEED.....V = 110 MPH
WIND EXPOSURE..... = CATEGORY C
GUST EFFECT FACTOR.....G = 0.85
INTERNAL PRESSURE COEFFICIENT.....GC_{pi} = ±0
SEISMIC CRITERIA:
SITE CLASSIFICATION..... = A - E
SEISMIC DESIGN CATEGORY..... = A - E
SEISMIC ANALYSIS: ASCE 7-10 CHAPTER 12 "BUILDING STRUCTURES"
STRUCTURE TYPE: STEEL ORDINARY CANTILEVER COLUMN SYSTEM (OCCS)
RESPONSE MODIFICATION COEFFICIENT.....R = 1.25
SYSTEM OVERSTRENGTH FACTOR.....Ω_b = 1.25
DEFLECTION AMPLIFICATION FACTOR.....C_d = 1.25
IMPORTANCE FACTOR.....I_e = 1.00
REDUNDANCY FACTOR.....ρ = 1.3
SEISMIC SEPARATION OF ADJACENT CANOPIES = 3.5"
SEISMIC BASE SHEAR
S_s ≤ 2.213g
BASE SHEAR.....C_s ≤ 1.18*W
GROUND MOTION HAZARD ANALYSIS NOTE:
FOR STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY E, A GROUND MOTION HAZARD ANALYSIS SHALL BE PERFORMED.
GEOHAZARD NOTE:
GEOHAZARD REPORTS ARE NOT REQUIRED FOR CANTILEVERED COLUMN OPEN STRUCTURES PROVIDED THEY ARE CONSTRUCTED OF METAL, DO NOT EXCEED 4000 SF IN PLAN AREA AND ARE NOT LOCATED WITHIN A STATE OR LOCAL GEOHAZARD ZONE. STRUCTURES MAY BE SPLIT INTO MULTIPLE SEISMICALLY SEPARATED STRUCTURES TO STAY BELOW THE 4000 SF TRIGGER
GENERAL WEATHER PROTECTION:
STRUCTURAL STEEL:
HOT DIP GALVANIZED.....
ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT.....

EXPOSED STEEL FASTENERS:
ALL EXPOSED STEEL FASTENERS, INCLUDING CAST-IN-PLACE ANCHOR BOLTS/RODS SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT-DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329), OR PROTECTED WITH PROTECTED WITH CORROSION-PREVENTATIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM G117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT

COLD-FORMED STEEL:
55% ALUMINUM-ZINC ALLOY COATED PER ASTM A792/A792M STANDARD IN ACCORDANCE WITH AISI S200 TABLE A4-1, CP 90 COATING DESIGNATION

MAXIMUM SOLAR PANEL SIZE:
82" LONG X 42" WIDE
MINIMUM DOWNWARD WIND LOAD [ASD]: 30.8 PSF
MINIMUM UPWARD WIND LOAD [ASD]: 35.0 PSF

USE AND OCCUPANCY NOTE:

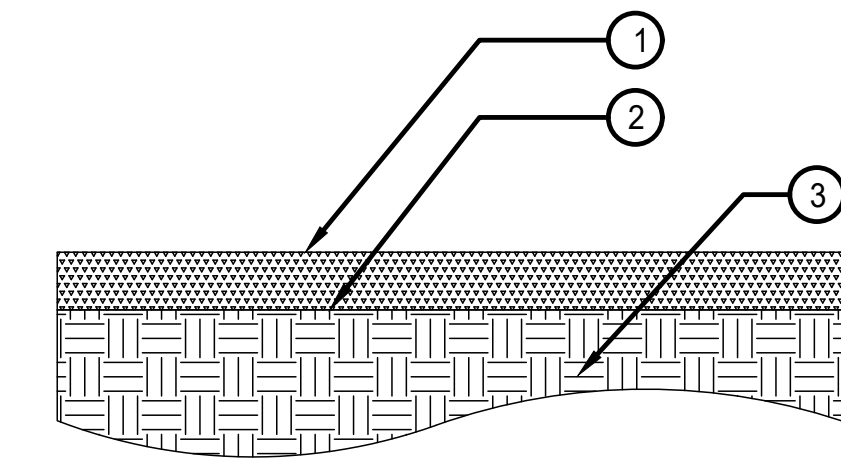
USE AN OCCUPANCY CLASSIFICATION PER CBC CHAPTER 3, OCCUPANT LOAD FACTOR (OLF) PER CBC TABLE 1004.1.2 AND DETERMINATION OF RISK CATEGORY PER CBC TABLE 1604A.5, TO BE COMPLETED BY DESIGN PROFESSIONAL AT TIME OF OTC OR PROJECT SUBMITTAL.

REGARDLESS OF SIZE, IF A STRUCTURE THAT WOULD OTHERWISE QUALIFY AS RISK CATEGORY II PROVIDES SHELTER FOR EMERGENCY VEHICLES OR EQUIPMENT; OR PROVIDES REQUIRED ACCESS TO, REQUIRED EGRESS FROM OR SHARES LIFE SAFETY COMPONENTS WITH A RISK CATEGORY III OR IV BUILDING, THE MORE RESTRICTIVE RISK CATEGORY MUST BE APPLIED. SEE CBC 1604A.5.1

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

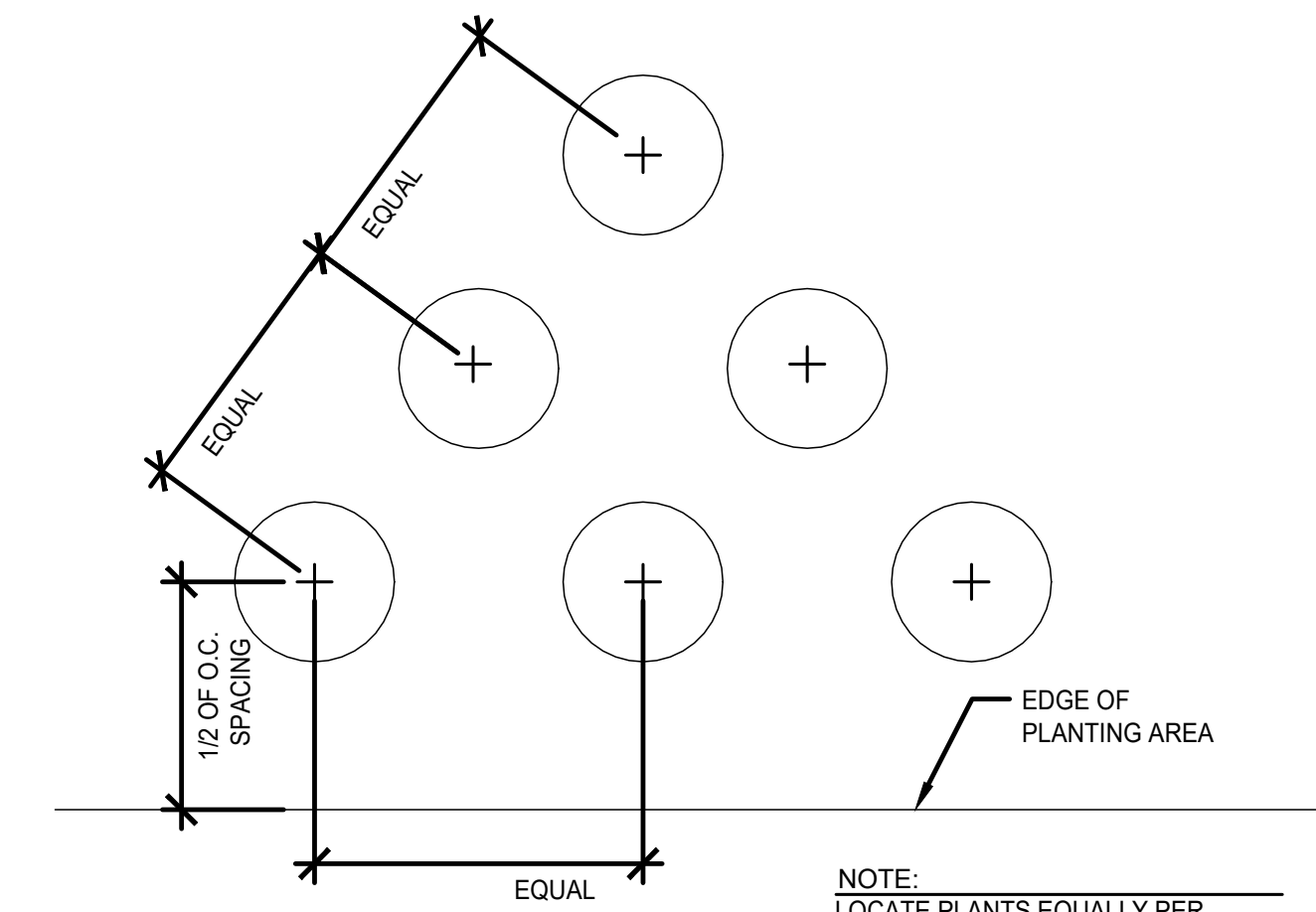
A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.



- ① 3" LAYER OF WOOD CHIP MULCH
- ② FINISH SURFACE
- ③ UNDISTURBED SITE SOIL

WOOD CHIP MULCH

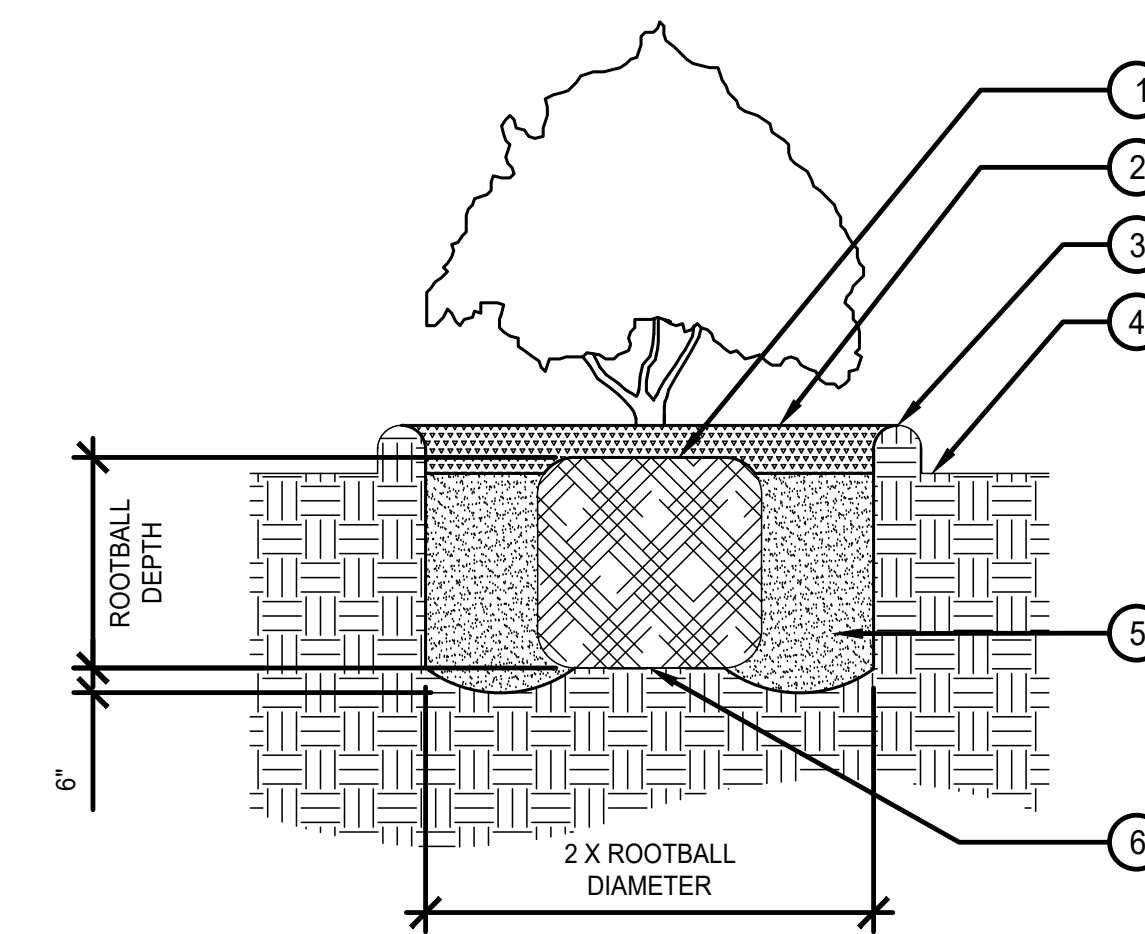
① N.T.S. SECTION



NOTE:
LOCATE PLANTS EQUALLY PER
TRIANGULAR SPACING UNLESS SHOWN
OTHERWISE ON PLANS.

**SHRUB/GROUNDCOVER
LAYOUT AND SPACING**

② N.T.S. SECTION



- ① SET TOP OF ROOTBALL 1" ABOVE GRADE AND ADJUST FOR SETTLING.
- ② 2" LAYER MULCH MATERIAL UNLESS OTHERWISE SPECIFIED (SEE SPECIFICATIONS)
- ③ 3" HIGH WATERING BERM
- ④ FINISH SURFACE
- ⑤ PLANTING BACKFILL (SEE SPECIFICATIONS)
- ⑥ PEDESTAL OF UNDISTURBED SOIL.

**SHRUB/GROUNDCOVER
ON LEVEL GRADE**

③ N.T.S. SECTION

SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

THIS DRAWING CONTAINS PROPRIETARY INFORMATION. REPRODUCTION, DISCLOSURE OR USE WITHOUT
AUTHORIZATION OF SUNPOWER CORPORATION IS STRICTLY FORBIDDEN.



SAN DIEGO UNIFIED SCHOOL DISTRICT
LANGUAGE ACADEMY
4981 64TH ST. SAN DIEGO, CA 92115

LANDSCAPE DETAILS

No.	Design No. - Description	Date	DB	CR
1	RECORDED DRAWING SET	7/11/2022		

OPPORTUNITY 0001869149
PROJECT 12107
DATE 7/12/2022
DRAWN BY GD, DWN



SHEET **L301**

GENERAL STRUCTURAL NOTES (G.S.N.)

GENERAL

- 1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. DO NOT SCALE THE DRAWINGS...
2. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS...
3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS...

STATEMENT OF STRUCTURAL INSPECTION AND TESTING

THE FOLLOWING ELEMENTS OF CONSTRUCTION SHALL REQUIRE SPECIAL INSPECTION PER CHAPTER 17A OF THE CODE. U.N.O. SPECIAL INSPECTIONS AND TESTING SHALL BE PROVIDED BY AN INSPECTION AGENCY, EMPLOYED BY THE OWNER...

CONCRETE

- 1. ALL CONCRETE CONSTRUCTION SHALL CONFORM WITH THE CODE AND WITH THE PROVISIONS OF ACI 318 AND ACI 301.
2. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND APPROVED BY THE STRUCTURAL ENGINEER.
3. SCHEDULE OF STRUCTURAL CONCRETE PERFORMANCE REQUIREMENTS:

Table with columns: MEMBER, EXPOSURE CLASS: Fc, 28 DAY (PSI), MAX W/C, EXPOSURE CLASS: Fc, 28 DAY (PSI), MAX W/C, MAX DENSITY (PCF)

- * FOUNDATION DESIGN IS BASED ON CONCRETE STRENGTH, Fc = 3,000 PSI @ 28-DAYS
4. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE I OR II FOR EXPOSURE CLASS FO, SO, PO, CO. (TYPE II FOR S1)
5. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE V FOR EXPOSURE CLASS S2 AND S3.

STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH AISC 360 AND AISC 303.
2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW (U.N.O.):

Table with columns: DESCRIPTION, ASTM DESIGNATION. Includes rows for ALL BASE PLATES AND LATERAL RESISTING CONNECTION PLATES, ALL ANGLES, CHANNELS, AND MISC., ALL WF BEAMS AND WT SECTIONS, etc.

- 3. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STEEL FOR ARCHITECT'S AND STRUCTURAL ENGINEER'S REVIEW BEFORE FABRICATION.
4. HOLES IN STEEL SHALL BE 1/4" LARGER DIAMETER THAN NOMINAL SIZE OF BOLT USED, EXCEPT AS NOTED...
5. ALL STRUCTURAL STEEL SURFACES THAT ARE ENCASED IN CONCRETE, MASONRY, OR SPRAY ON FIREPROOFING, OR ARE ENCASED BY BUILDING FINISH, SHALL BE LEFT UNPAINTED.

COLD-FORMED STEEL

- 1. GENERAL
A. ALL COLD-FORMED METAL FRAMING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AISI S100 "SPECIFICATIONS FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
B. ALL COLD-FORMED STEEL SHALL CONFORM TO THE FOLLOWING (U.N.O.):

Table with columns: GR. 33, GR. 55, GR. 60, ASTM A1003 GR 33 OR ASTM 653 GR 33, ASTM A1008 GR 55 OR ASTM 653 GR 55, etc.

- C. WELDING IS NOT PERMITTED UNLESS SPECIFICALLY APPROVED BY ENGINEER OF RECORD.
D. ALL APPROVED WELDING SHALL BE PERFORMED BY WELDERS CERTIFIED FOR ALL APPROPRIATE DIRECTIONS COMPLYING WITH AWS D1.3. WELDING RODS SHALL CONFORM TO THE FOLLOWING:
E. WIRE TYING OF FRAMING COMPONENTS SHALL NOT BE PERMITTED.

Table: MINIMUM SECTION PROPERTIES FOR ZEE SHAPES. Columns: SHAPE, D (in), B (in), L (in), t (in), A (in^2), Wt (plf), k (in^3), Ix (in^4)

STRUCTURAL OBSERVATION

STRUCTURAL OBSERVATION PER THE REQUIREMENTS OF THE CODE IS REQUIRED. THE STRUCTURAL ENGINEER WILL VISIT THE PROJECT OR REVIEW PHOTO DOCUMENTATION OF WORK COMPLETED AT THE FOLLOWING STAGES OF CONSTRUCTION:

Table: ITEM, STAGE. Includes rows for STRUCTURAL STEEL / COLD-FORMED STEEL AFTER ERECTION, STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE INSPECTIONS REQUIRED BY THE CODE.

SHOP DRAWINGS / SUBMITTALS

- 1. THE STRUCTURAL SHOP DRAWING REVIEW IS INTENDED TO HELP THE ENGINEER VERIFY THE DESIGN CONCEPT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK THEIR OWN SHOP DRAWINGS.
2. THE STRUCTURAL SHOP DRAWINGS WILL BE RETURNED FOR RESUBMITTAL IF A CURSORY REVIEW SHOWS MAJOR ERRORS WHICH SHOULD HAVE BEEN FOUND BY THE CONTRACTOR'S CHECKING.
3. THE FOLLOWING SHOP DRAWINGS ARE NOT REQUIRED FOR SUBMITTAL FOR STRUCTURAL REVIEW.

POST-INSTALLED CONCRETE ANCHORS

- 1. POST-INSTALLED ANCHORAGE SHALL BE AS DETAILED ON THE PLANS. SUBSTITUTION OF PRODUCTS SPECIFICALLY DETAILED IN THESE DRAWINGS SHALL NOT BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD AND DSA.
2. SPECIAL INSPECTION IS REQUIRED FOR ALL POST-INSTALLED ANCHORS, U.N.O.
3. WHERE ANCHOR TYPE IS NOT NOTED OR AN ALTERNATE BRAND IS PREFERRED, THE FOLLOWING PRODUCTS ARE ACCEPTABLE TO BE SUBMITTED FOR A SUBSTITUTION REQUEST:

REINFORCING STEEL

- 1. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 19A OF THE CODE, ASTM A615, GRADE 60 U.N.O.
2. BARS SHALL BE CLEAN OF RUST, GREASE, OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
3. REINFORCING BAR SPLICES SHALL, IN CONCRETE, CONFORM TO THE PROVISIONS OF ACI 318, AND IN MASONRY, CONFORM TO THE PROVISIONS OF ACI 530, #14 AND #18 BARS SHALL NOT BE LAP SPLICED.

ABBREVIATIONS

Table with columns: A.B., @, ACI, ADD'L, AISC, APPROX., ARCH, ASTM, AWS, BLK'G, BM, BOT OR B., BRG, BTWN, CANT, CBC, CFS, CIP, CL OR CLR, COL, CONC, CONN, CONT, DIA or ø, DIM, DL, DSA, DWG, EA, EQ, ES or E.S., etc.

Table: MINIMUM THICKNESS, REFERENCE GAUGE, DESIGN THICKNESS. Includes rows for 33 MIL, 43 MIL, 54 MIL, 68 MIL, 97 MIL, 118 MIL.

FOUNDATION:

- 1. FOUNDATION DESIGN BASED ON SITE SPECIFIC SOILS REPORT OR TABLE 1806A.2 OF THE CBC.
2. SLABS ON GRADE SHALL BEAR ON APPROVED SUBGRADE PER THE RECOMMENDATIONS OF THE SOILS REPORT OR SPECIAL INSPECTOR.
3. CONTRACTOR TO PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER, OR SEEPAGE, IF REQUIRED.
4. FOUNDATIONS SHALL BE PLACED AND ESTIMATED ACCORDING TO DEPTHS SHOWN ON DRAWINGS. SHOULD SOIL ENCOUNTERED AT THESE DEPTHS NOT BE APPROVED BY THE INSPECTOR OR SOILS ENGINEER, FOUNDATION ELEVATIONS WILL BE ALTERED.

POST-INSTALLED MASONRY ANCHORS

- 1. POST-INSTALLED ANCHORAGE SHALL BE AS DETAILED ON THE PLANS. SUBSTITUTION OF PRODUCTS SPECIFICALLY DETAILED IN THESE DRAWINGS SHALL NOT BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD.
2. SPECIAL INSPECTION IS REQUIRED FOR ALL POST-INSTALLED ANCHORS, U.N.O.
3. WHERE ANCHOR TYPE IS NOT NOTED OR AN ALTERNATE BRAND IS PREFERRED, THE FOLLOWING PRODUCTS ARE ACCEPTABLE TO BE SUBMITTED FOR A SUBSTITUTION REQUEST:

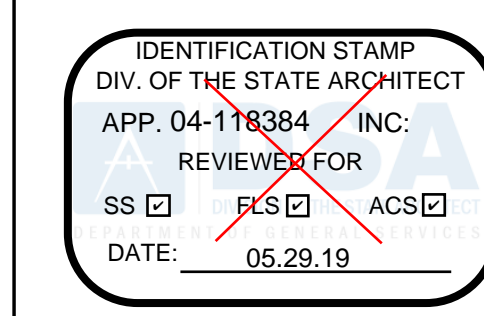
Table: A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, MINIMUM COVER, TOLERANCES + OR -

SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

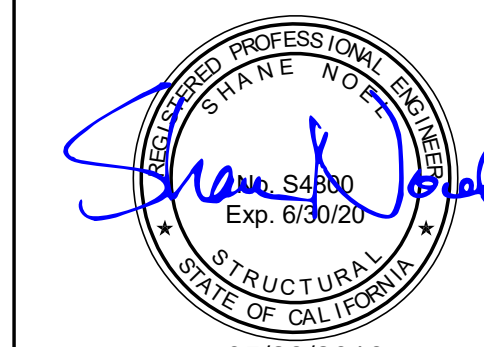


3131 Camino Del Rio North, Suite 1080
San Diego, California 92108
(619) 521-8500 Fax (619) 521-8591
www.kpff.com kpff project #1800207

SUNPOWER / KPFF
DSA - PC PV STRUCTURE SYSTEM
GENERAL STRUCTURAL NOTES



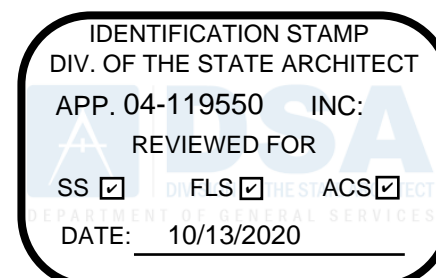
PRE-CHECK (PC) DOCUMENT CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



05/28/2019

REVISION SCHEDULE table with columns: Date, Description, DB, CS, etc.

OPPORTUNITY 1571185
PROJECT 1800207
DATE 06/29/2018
DRAWN BY LQ/SW
SHEET S100
ORIGINAL SHEET SIZE 36 x 48
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE
SHEET S100
COPYRIGHT 2016 © SUNPOWER CORP



TESTING AND INSPECTION FORM

Header information for the testing and inspection form, including DSA-103 title, increment number, DSA file number, application number, and date submitted.

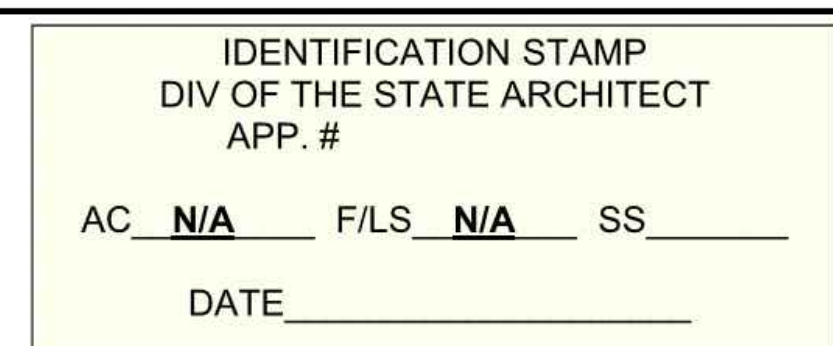
Header information for the testing and inspection form, including DSA-103 title, increment number, DSA file number, application number, and date submitted.

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues.

Table with columns for KEY TO COLUMNS, 1 Type, and 2 Performed By. It defines symbols like GE, LOR, SI, Continuous, Periodic, and Test.

Form for identifying the architect or engineer in general responsible charge, the structural engineer, and the architect or structural engineer's signature.

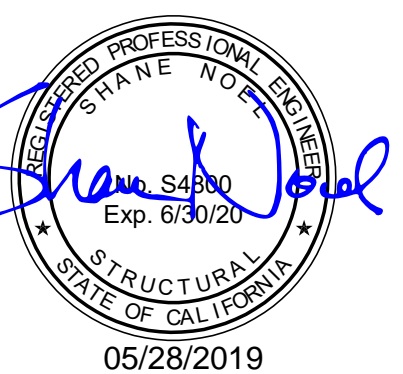
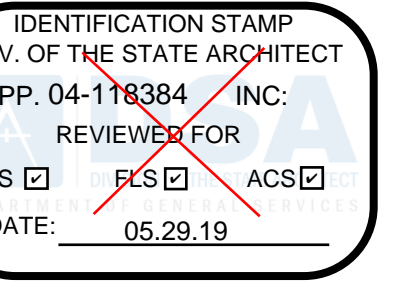


Main table listing required tests and special inspections, including categories like SOILS, CONCRETE, STEEL, ALUMINUM, WELDING, and SHOP WELDING. Includes columns for test type, frequency, and code references.

Appendix: Work Exempt from DSA Requirements for Special Inspection or Structural Testing. Lists items exempt from DSA requirements for special inspections and structural testing.

Table listing exempt items for Soils, Concrete/Masonry, and Welding, with checkboxes for 'Exempt by Design Prod.' and 'Exempt by Design Prod.'.

Table listing exempt items for Welding, with checkboxes for 'Exempt by Design Prod.' and 'Exempt by Design Prod.'.

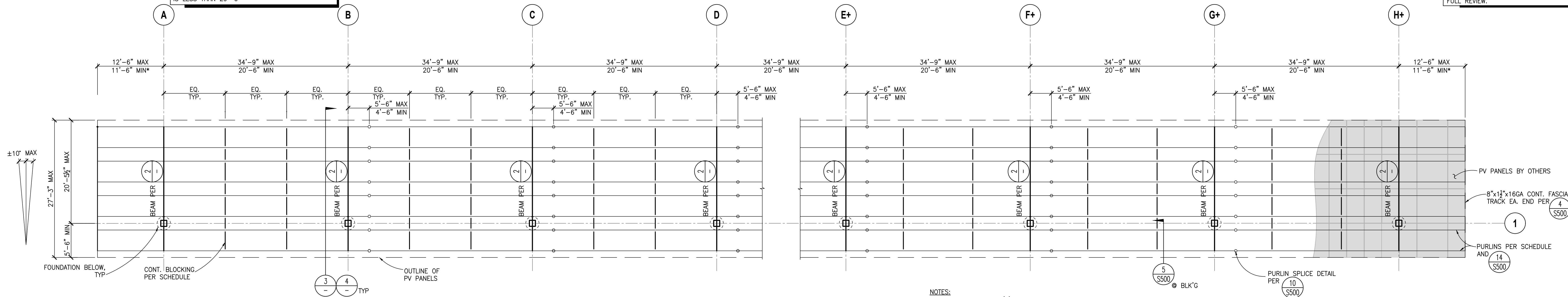


REVISION SCHEDULE table with columns for Design No., Description, and Record Drawing Set.

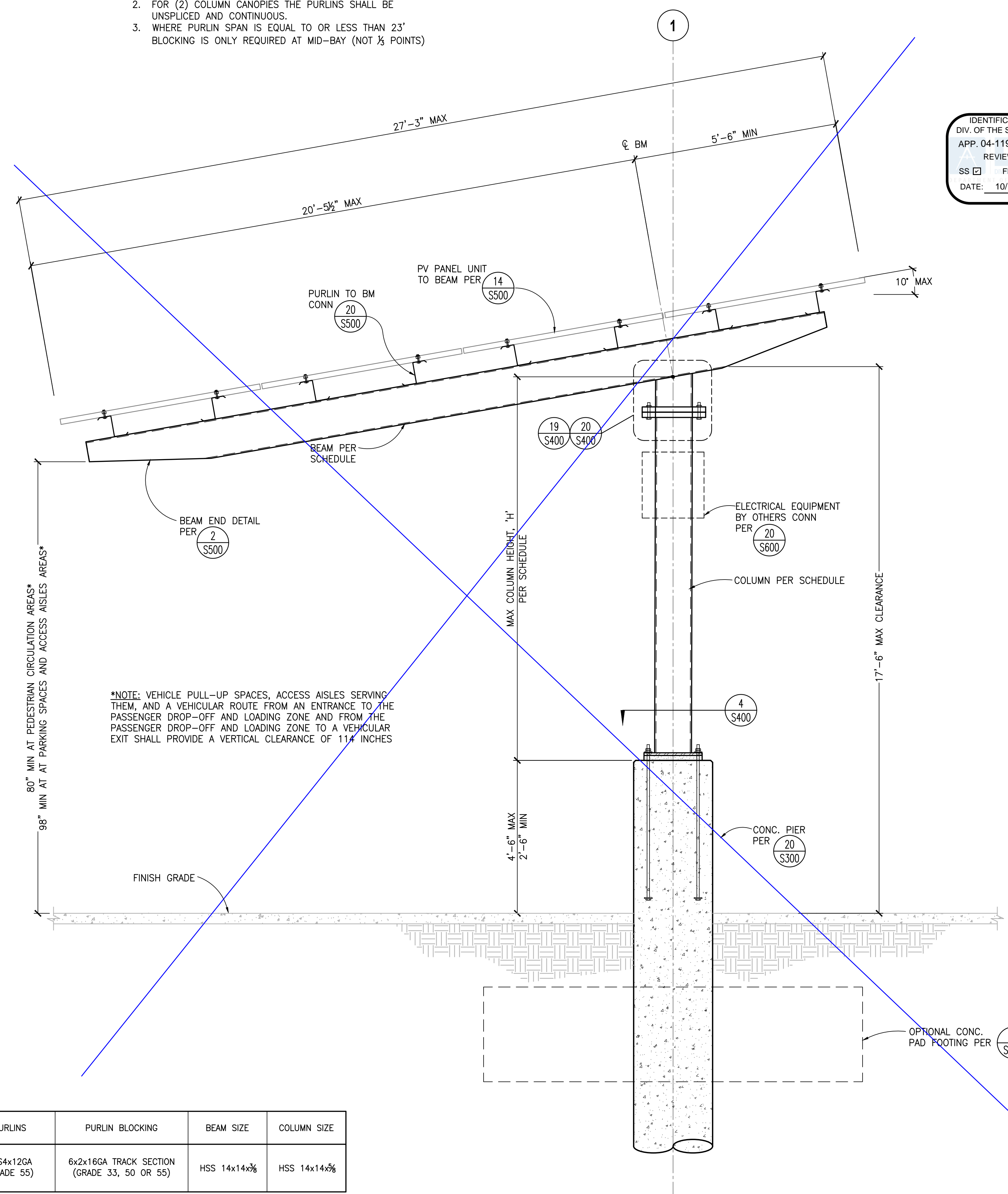
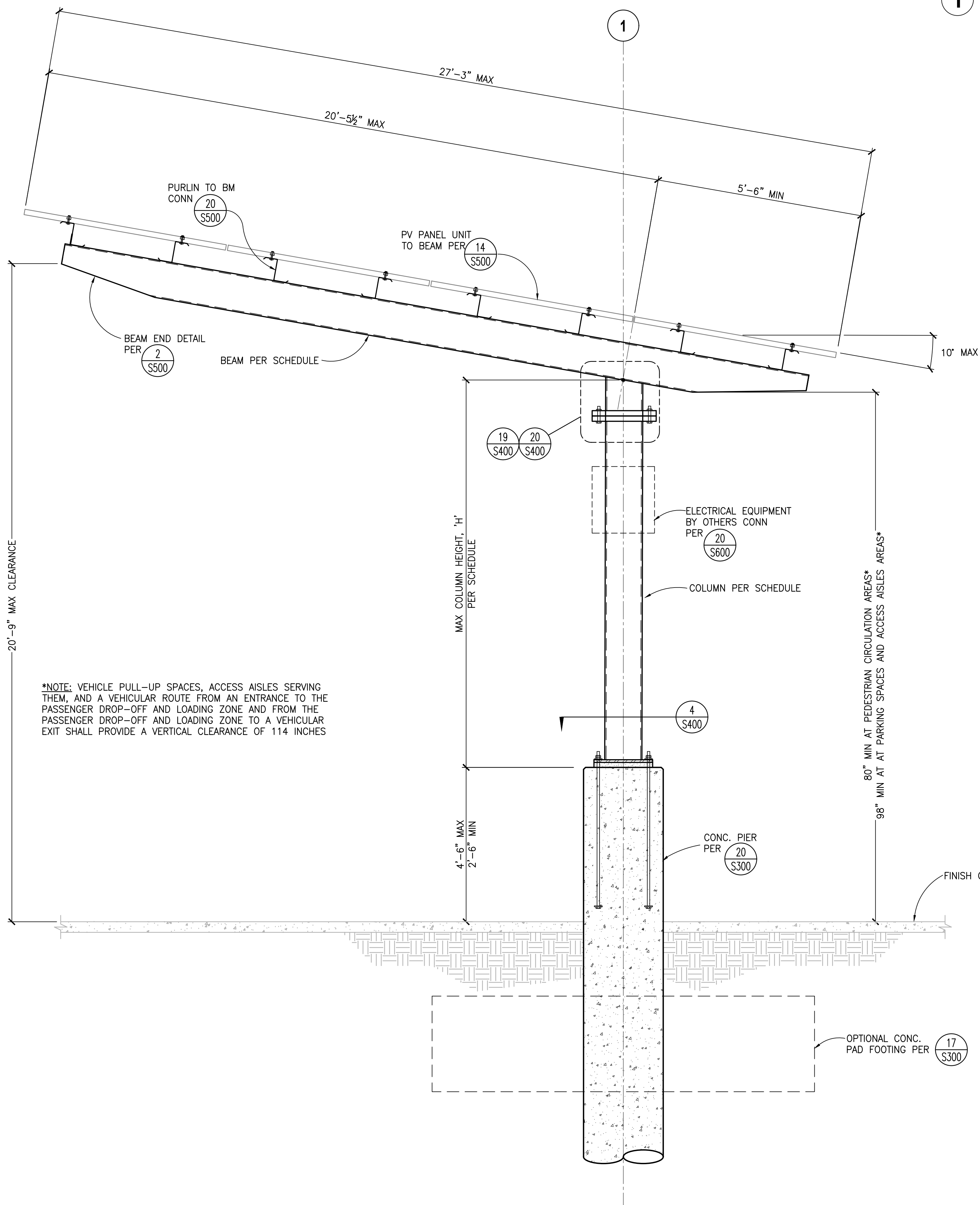
Project information table including Opportunity (1571185), Project (1800207), Date (06/29/2018), and Drawn by (LQ/SW).

*1'-6" MINIMUM CANTILEVER MAY BE REDUCED TO:
 8'-10" MINIMUM WHEN THE ADJACENT CANOPY
 SPAN IS LESS THAN 32'-0"
 7'-0" MINIMUM WHEN THE ADJACENT CANOPY SPAN
 IS LESS THAN 29'-6"

NOTE: MAX. AND MIN. DIMENSIONS CANNOT
 BE MODIFIED FOR OVER THE COUNTER OR
 ANY CHANGES TO THE LAYOUT MUST BE
 SUBMITTED AS A REGULAR PROJECT FOR
 FULL REVIEW.



- NOTES:
 1. PLAN SHOWN FOR (4) PANELS IN PORTRAIT, OTHER PANEL AND PURLIN ARRANGEMENTS MEETING THE OVERALL DIMENSIONAL REQUIREMENTS ARE ACCEPTABLE AND ANALOGOUS.
 2. FOR (2) COLUMN CANOPIES THE PURLINS SHALL BE UNSPLICED AND CONTINUOUS.
 3. WHERE PURLIN SPAN IS EQUAL TO OR LESS THAN 23' BLOCKING IS ONLY REQUIRED AT MID-BAY (NOT 1/2 POINTS)



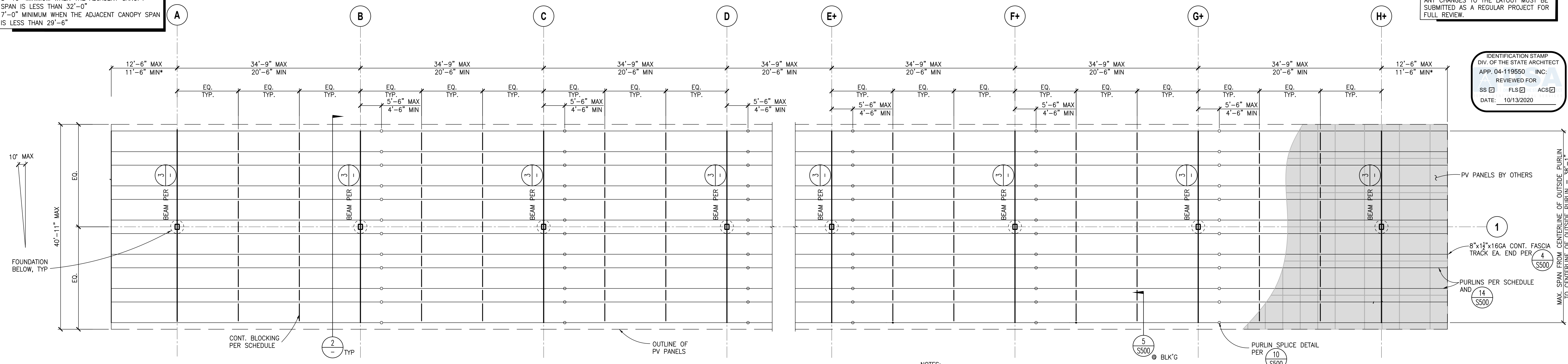
CANOPY	MAX. COL. HEIGHT (H)	PURLINS	PURLIN BLOCKING	BEAM SIZE	COLUMN SIZE
L UP	12 FT	8Z54x12GA (GRADE 55)	6x2x16GA TRACK SECTION (GRADE 33, 50 OR 55)	HSS 14x14x3/8	HSS 14x14x3/8
L DOWN					

NO.	REVISION SCHEDULE	DATE	DB	CR
1	Design No. - Description	7/11/2022		
	RECORD DRAWING SET			

OPPORTUNITY 1571185
 PROJECT 1800207
 DATE 06/29/2018
 DRAWN BY LQ/SW

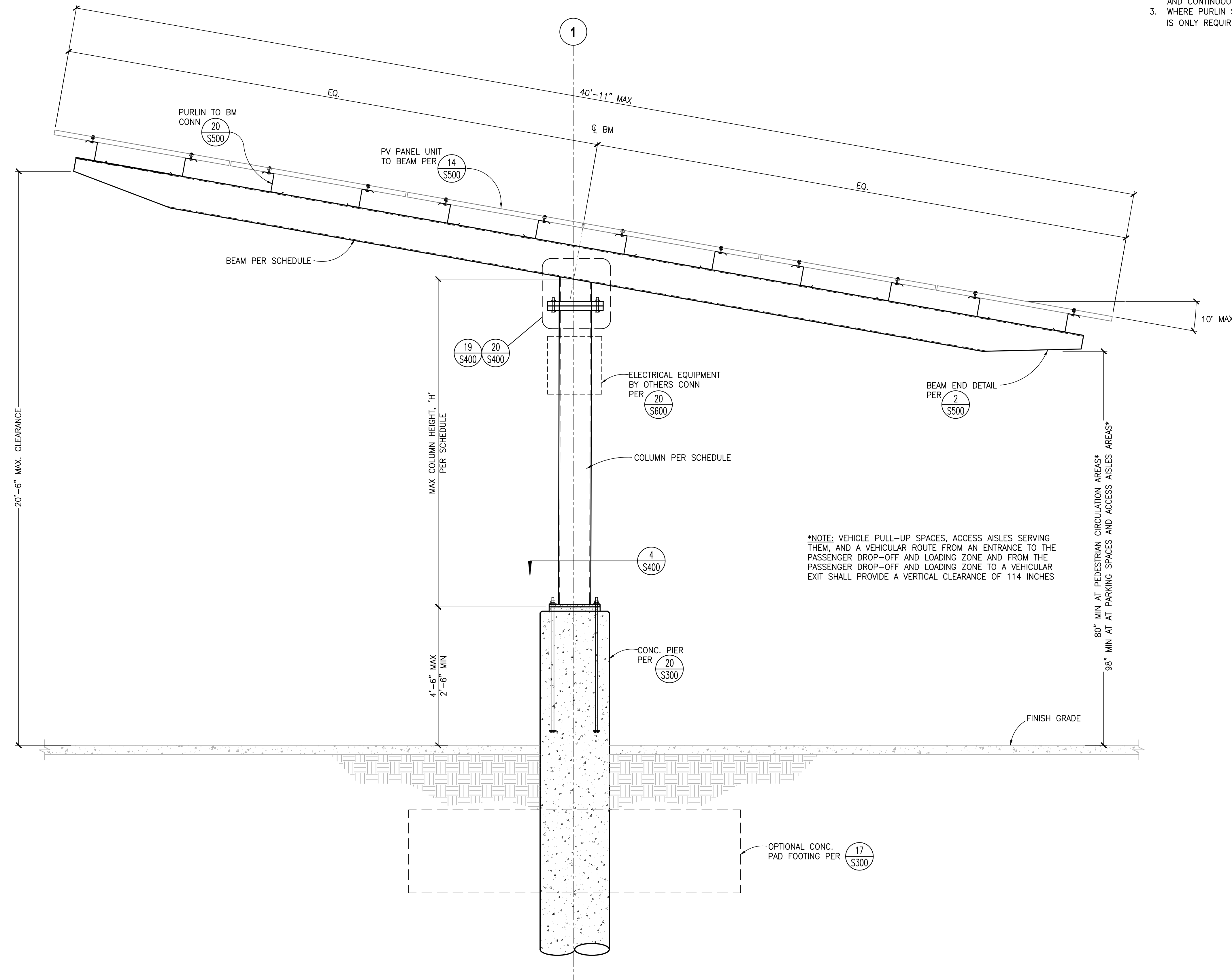
*11'-6" MINIMUM CANTILEVER MAY BE REDUCED TO:
8'-10" MINIMUM WHEN THE ADJACENT CANOPY
SPAN IS LESS THAN 32'-0"
7'-0" MINIMUM WHEN THE ADJACENT CANOPY SPAN
IS LESS THAN 29'-6"

NOTE: MAX. AND MIN. DIMENSIONS CANNOT
BE MODIFIED FOR OVER THE COUNTER OR
ANY CHANGES TO THE LAYOUT MUST BE
SUBMITTED AS A REGULAR PROJECT FOR
FULL REVIEW.



1 FRAMING PLAN
SCALE: 1/8"=1'-0"

- NOTES:
1. PLAN SHOWN FOR (6) PANELS IN PORTRAIT, OTHER PANEL AND PURLIN ARRANGEMENTS MEETING THE OVERALL DIMENSIONAL REQUIREMENTS ARE ACCEPTABLE AND ANALOGOUS.
 2. FOR (2) COLUMN CANOPIES THE PURLINS SHALL BE UNSPLICED AND CONTINUOUS.
 3. WHERE PURLIN SPAN IS EQUAL TO OR LESS THAN 23' BLOCKING IS ONLY REQUIRED AT MID-BAY (NOT 1/3 POINTS)



2 TYPICAL "T-STRUCTURE" ELEVATION
SCALE: 1/2"=1'-0"

*NOTE: VEHICLE PULL-UP SPACES, ACCESS AISLES SERVING THEM, AND A VEHICULAR ROUTE FROM AN ENTRANCE TO THE PASSENGER DROP-OFF AND LOADING ZONE AND FROM THE PASSENGER DROP-OFF AND LOADING ZONE TO A VEHICULAR EXIT SHALL PROVIDE A VERTICAL CLEARANCE OF 114 INCHES

MAX. COLUMN HEIGHT (H)	PURLINS	PURLIN BLOCKING	BEAM SIZE	COLUMN SIZE
12 FT	8ZS4x12GA (GRADE 55)	6x2x16GA TRACK SECTION (GRADE 33, 50 OR 55)	HSS14x14x3/8	HSS14x14x3/8

3 MEMBER SCHEDULE FOR T-STRUCTURES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-118384 INC.
REVIEWER FOR
SS FLS ACS
DATE: 05.29.19

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR
CONSTRUCTION IS REQUIRED

Professional Engineer
Shankar
Structural
State of California
Exp. 6/30/20
05/28/2019

NO.	REVISION SCHEDULE	DATE	DB	CR
1	Design No. - Description	7/11/2022		
	RECORD DRAWING SET			

OPPORTUNITY 1571185
PROJECT 1800207
DATE 06/29/2018
DRAWN BY LQ/SW

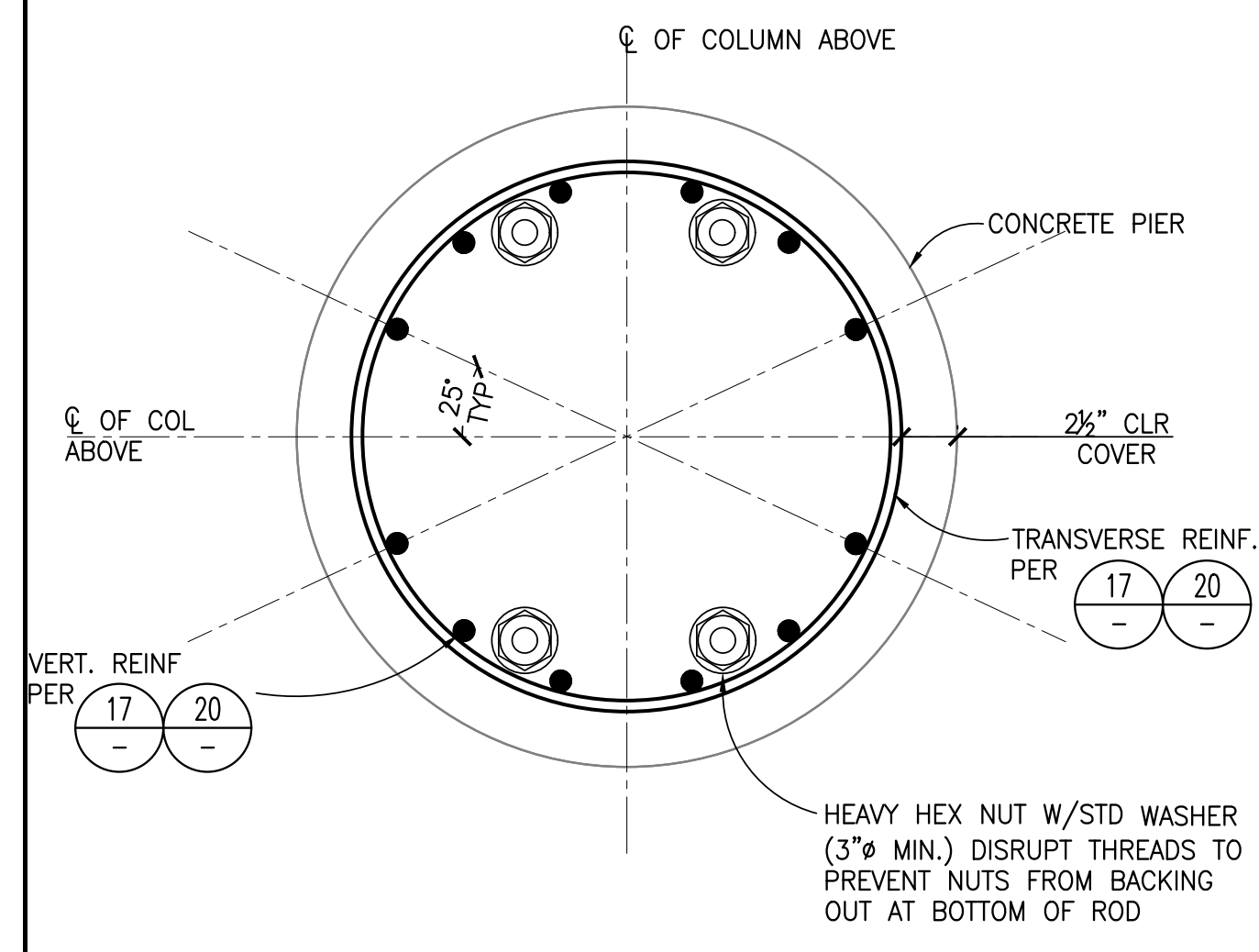
CONC. PIER FOUNDATION DEPTH SCHEDULE

STRUCTURE TYPE	DESIGN ALLOWABLE SKIN FRICTION (PSF/FT)	DESIGN ALLOWABLE PASSIVE PRESSURE				
		200	300	400	500	600
T	300	18'-0"	17'-0"	17'-0"	17'-0"	17'-0"
	400	18'-0"	15'-0"	13'-6"	12'-6"	12'-6"
L UP	200	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"
	300	20'-0"	16'-0"	13'-6"	12'-0"	12'-0"
L DOWN	200	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"
	300	17'-0"	13'-6"	12'-0"	12'-0"	12'-0"

- NOTES:
- A MIN. SKIN FRICTION VALUE OF 300 PSF IS REQUIRED FOR T-STRUCTURE CANOPIES
 - WHERE NO SITE-SPECIFIC GEOTECHNICAL DATA IS AVAILABLE, ALLOWABLE PASSIVE PRESSURE OF 200 PSF/FT SHALL BE SELECTED WITH NO ADDITIONAL INCREASES. AN ALLOWABLE SKIN FRICTION OF 200 PSF SHALL BE USED WITH NO ADDITIONAL INCREASE. THESE ARE BASED ON THE MINIMUM VALUES IN THE PRESUMPTIVE LOAD-BEARING TABLE 1806A.2. THE MAXIMUM VALUE OF PASSIVE PRESSURE IS LIMITED TO 3000 PSF/FT PER CBC SECTION 1806A.3.3
 - NO SOIL HAS BEEN NEGLECTED IN THE DEPTHS SHOWN. WHERE THE GEOTECHNICAL REPORT REQUIRES IGNORING A CERTAIN DEPTH OF SOIL THAT SPECIFIC DEPTH SHALL BE ADDED TO THE VALUES IN THE TABLES ABOVE LINEARLY. FOR EXAMPLE, IF 1' OF SOIL IS TO BE IGNORED PER THE SOILS REPORT THEN 1' OF PIER DEPTH SHALL BE ADDED TO THE DEPTHS IN THE TABLE ABOVE.
 - A MINIMUM ALLOWABLE BEARING CAPACITY OF 6500 PSF IS REQUIRED WHEN SKIN FRICTION VALUES ARE NOT PROVIDED.

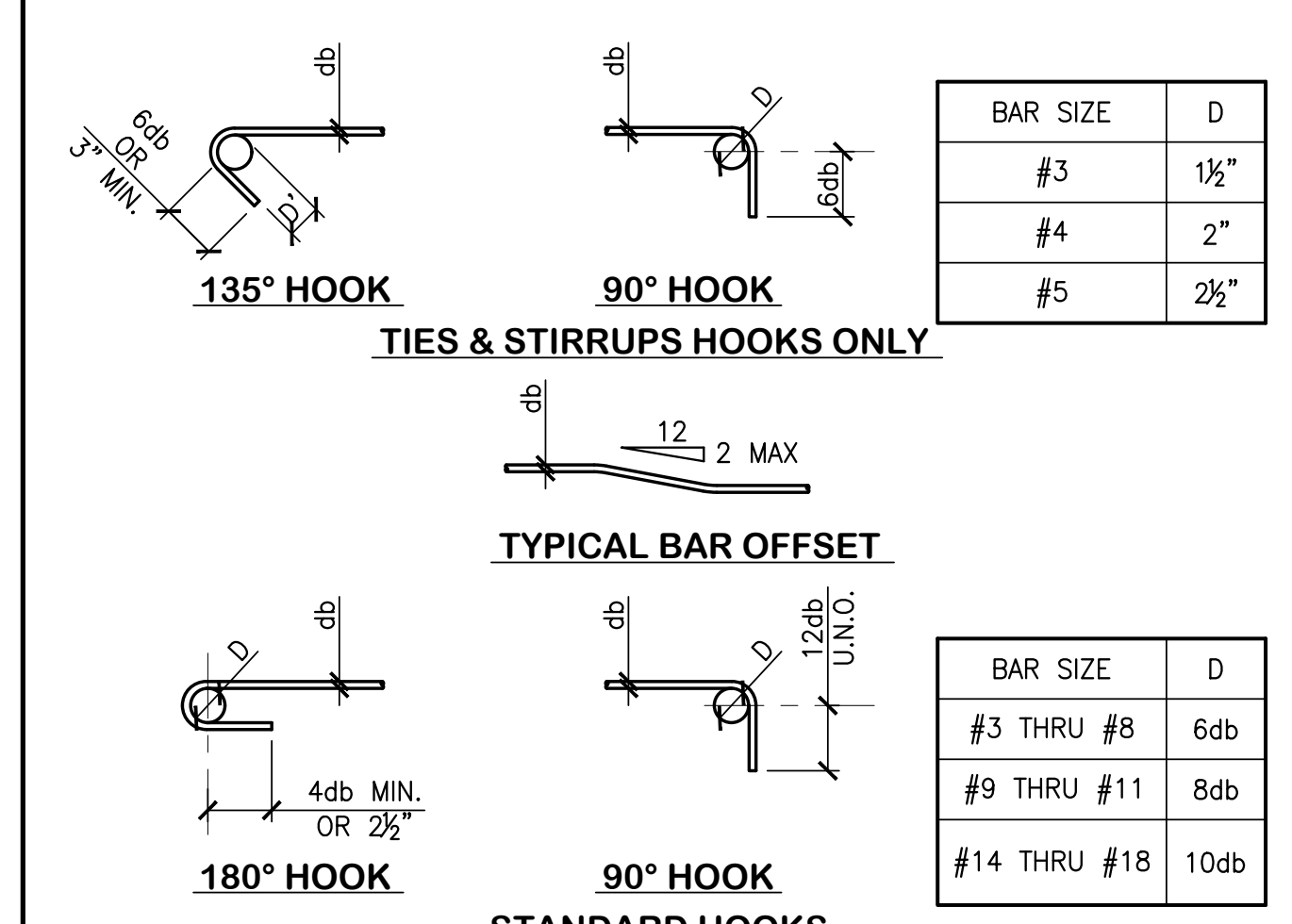
4 CONC. PIER FOUNDATION SCHEDULE

SCALE: NTS



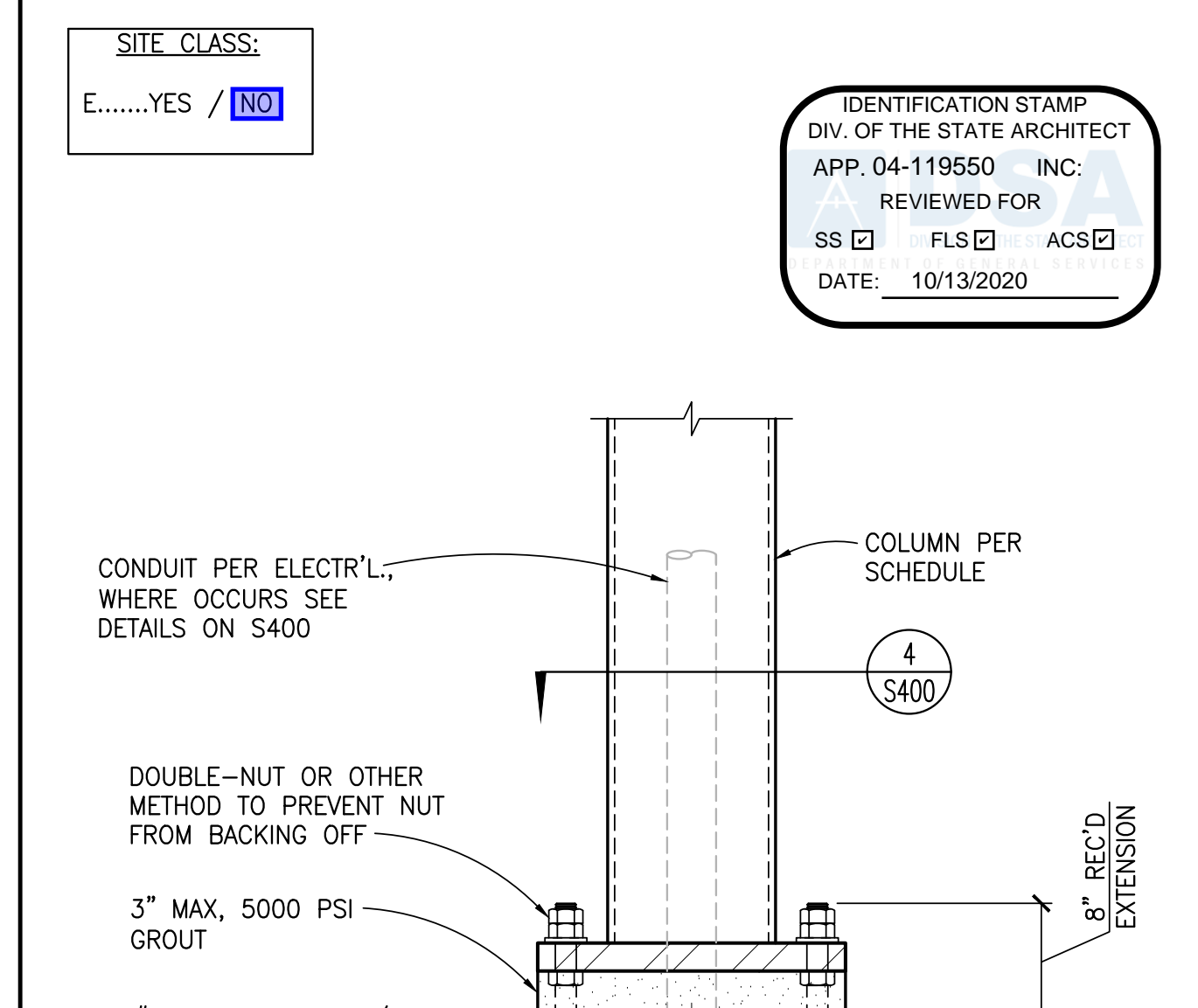
8 PLACEMENT OF PIER REINFORCEMENT

SCALE: 1/2"=1'-0"



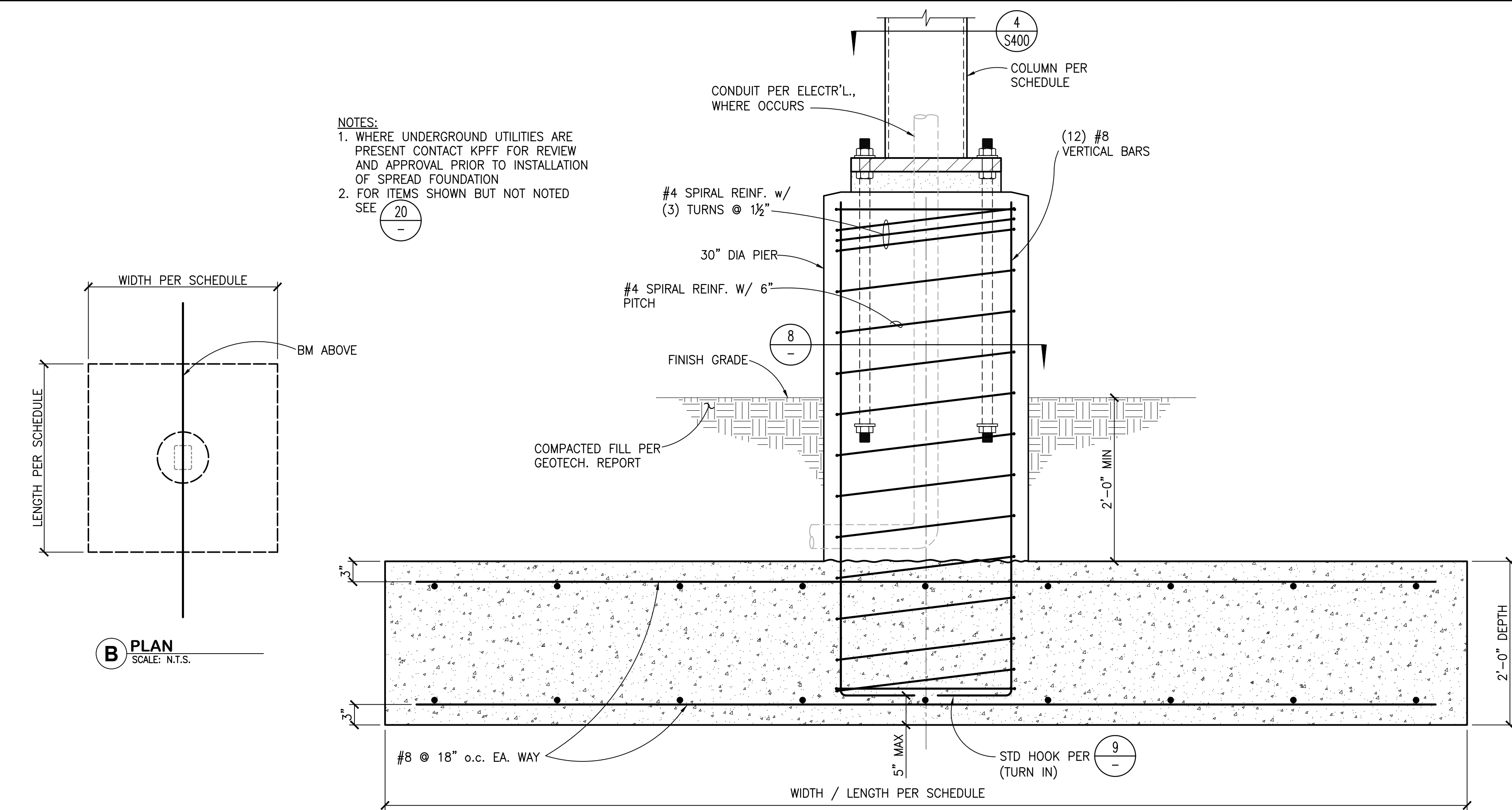
9 TYPICAL REINFORCING BAR BENDS

NTS



20 CONCRETE PIER DETAIL

SCALE: 1"=1'-0"



17 SPREAD FOUNDATION DETAIL

SCALE: AS NOTED

STRUCTURE TYPE	SPREAD FOUNDATION SIZE (WIDTH x LENGTH)			
	ALLOWABLE BEARING PRESSURE (PSF)			
T	1,000	2,000	3,000	≥4,000
L UP	14'x14'	13'x13'	13'x13'	13'x13'
L DOWN	13'-6"x13'-6"	12'x12'	12'x12'	12'x12'
	13'x13'	11'-6"x11'-6"	11'-6"x11'-6"	11'-6"x11'-6"

- NOTES:
- THE CONC. DENSITY SHALL AT A MINIMUM BE 145-PCF.

SUNPOWER™
 1414 Harbour Way South
 Richmond, CA 94804 USA
 (510) 540-0550

kpff

3131 Camino Del Rio North, Suite 1080
 San Diego, California 92108
 (619) 521-8500 Fax (619) 521-8591
 www.kpff.com kpff project #1800207

SUNPOWER / KPFF
 DSA - PC PV STRUCTURE SYSTEM
 FOUNDATION DETAILS

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 04-118384 INC.
 REVIEWER FOR
 SS FLS ACS
 DATE: 05.29.19

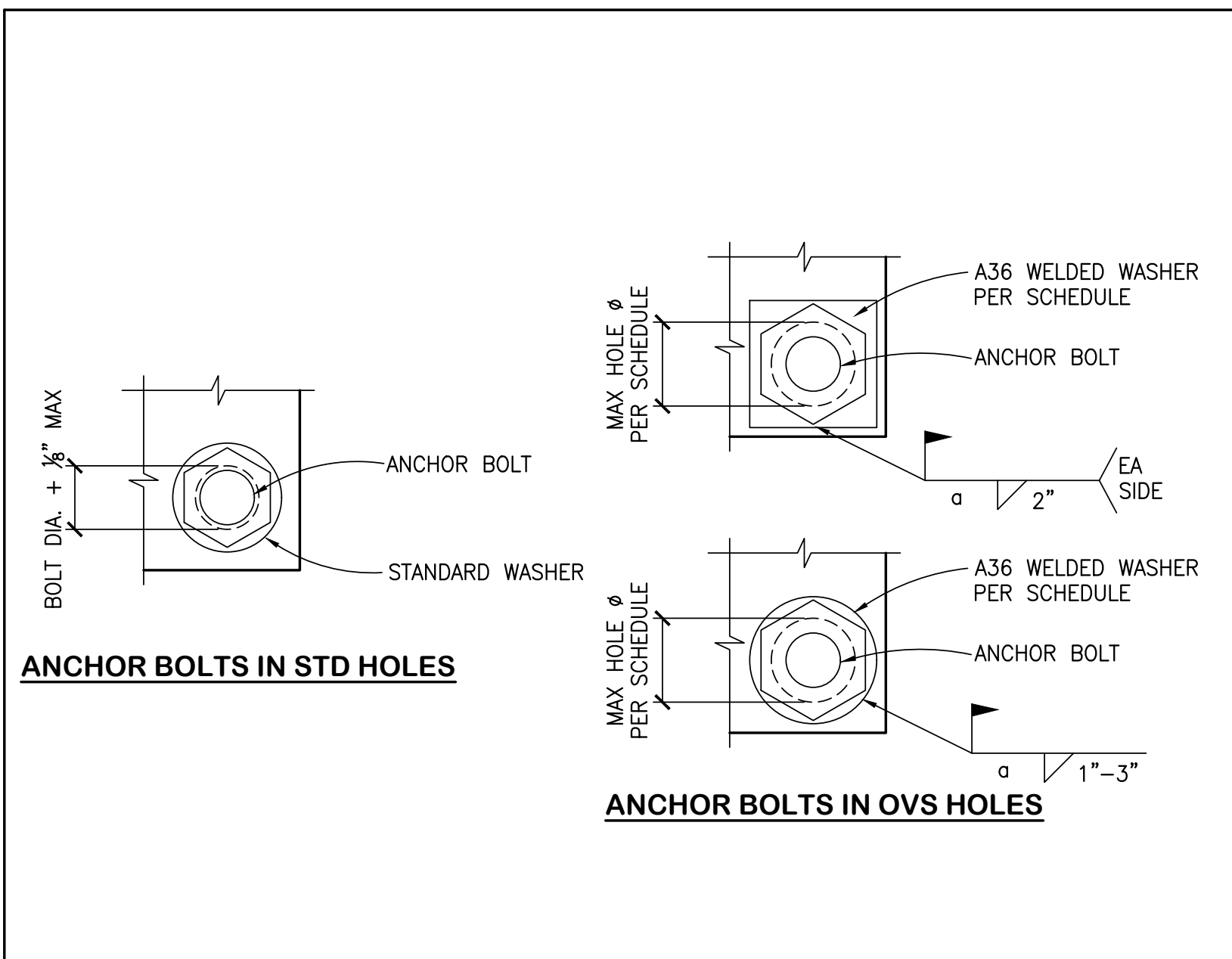
PRE-CHECK (PC) DOCUMENT
 CODE: 2016 CBC
 A SEPARATE PROJECT APPLICATION FOR
 CONSTRUCTION IS REQUIRED

PROFESSIONAL SEAL
 STRUCTURAL
 STATE OF CALIFORNIA
 05/28/2019

NO.	REVISION SCHEDULE	DATE	DB	CR
1	RECORD DRAWING SET	7/11/2022		

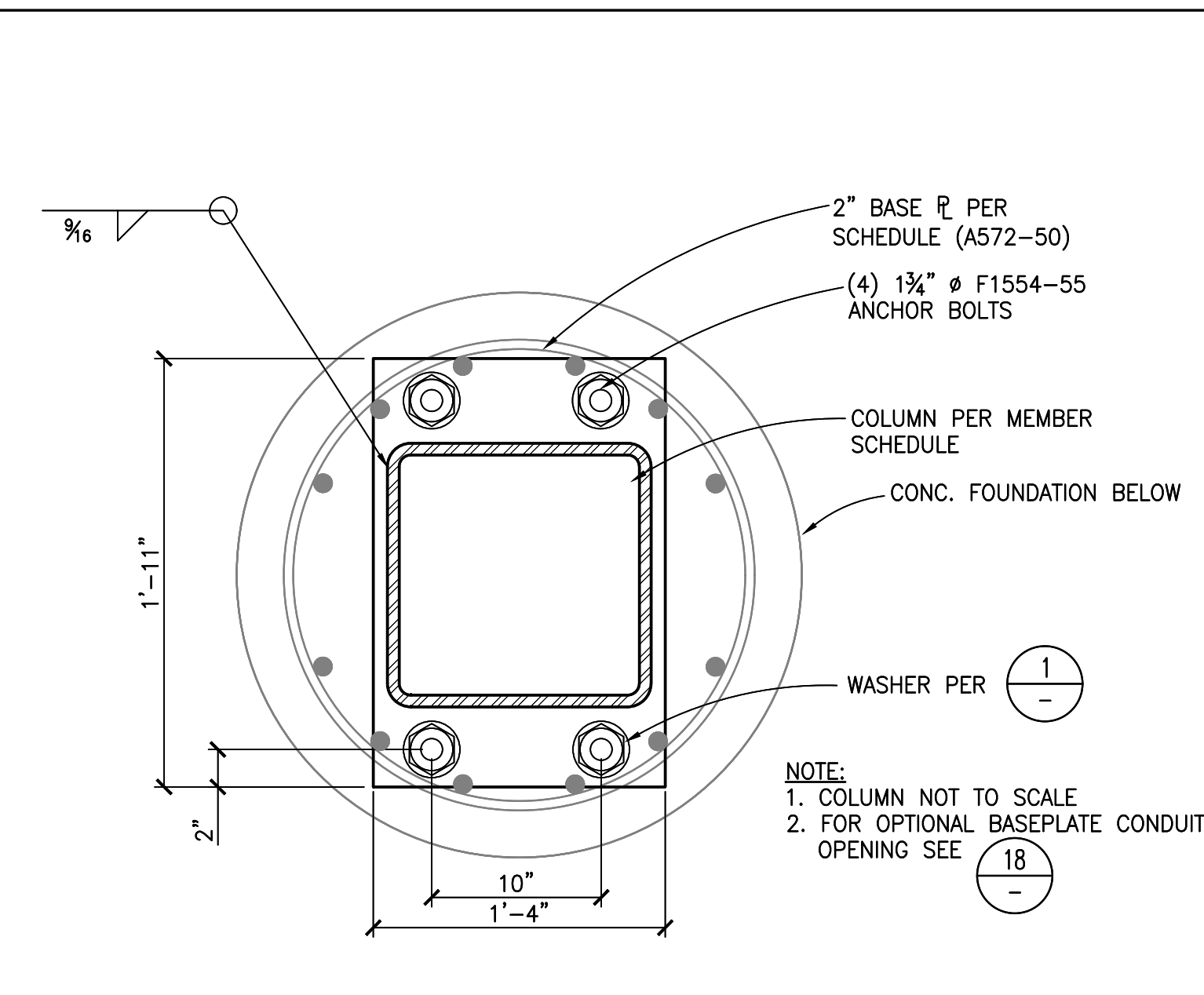
OPPORTUNITY 1571185
 PROJECT 1800207
 DATE 06/29/2018
 DRAWN BY LQ/SW

ORIGINAL SHEET SIZE 36" x 48"
 IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE
 SHEET **S300**
 COPYRIGHT 2018 © SUNPOWER CORP



WELDED WASHER REQUIREMENTS AT OVSIZED HOLES			
ANCHOR BOLT DIAM.	MAX. HOLE DIAM.	MIN. WASHER SIZE	WELD SIZE, ϕ
1 3/4"	2 3/4"	3/8" x 4" (SQ. OR DIA)	1/4"

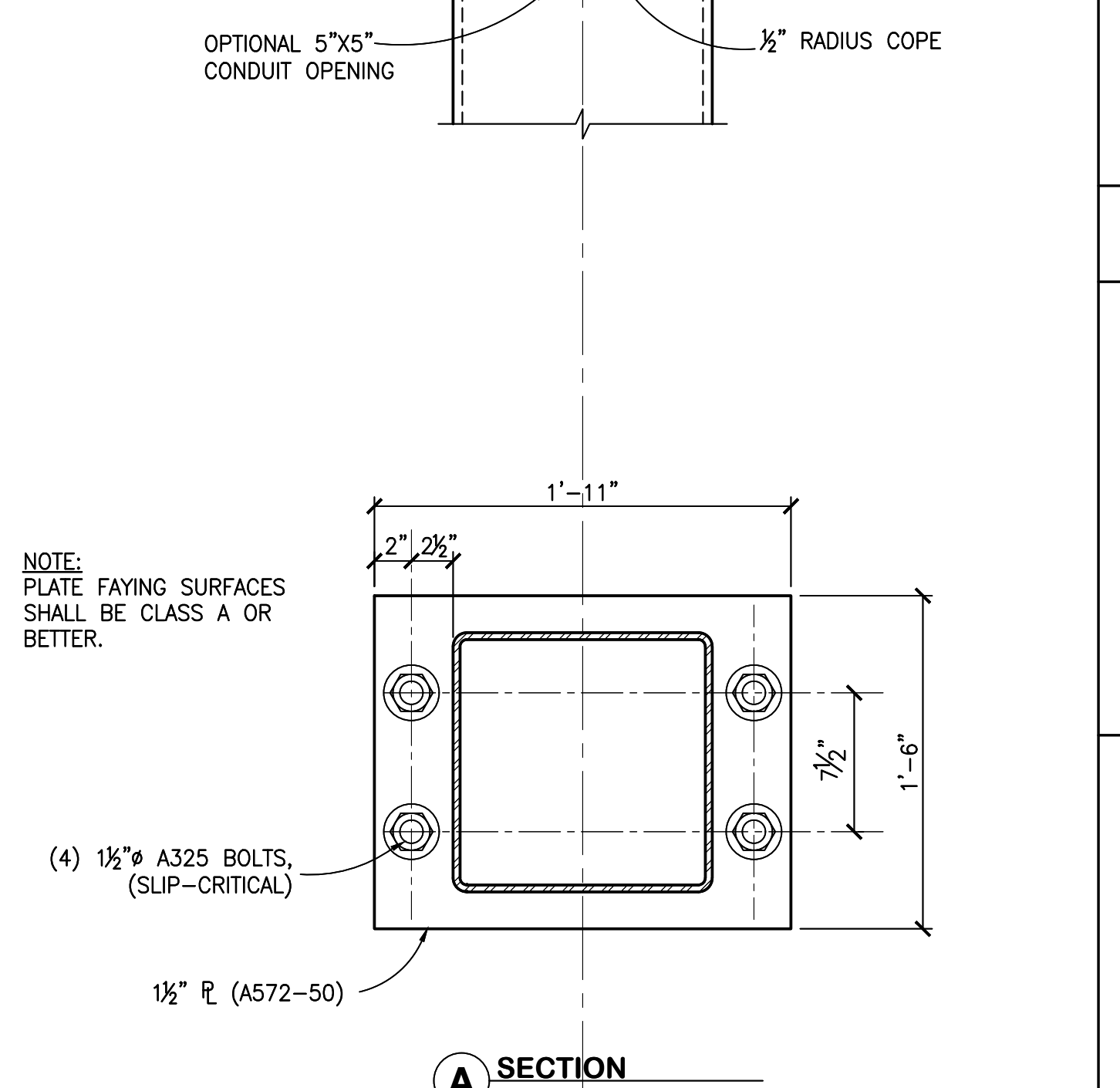
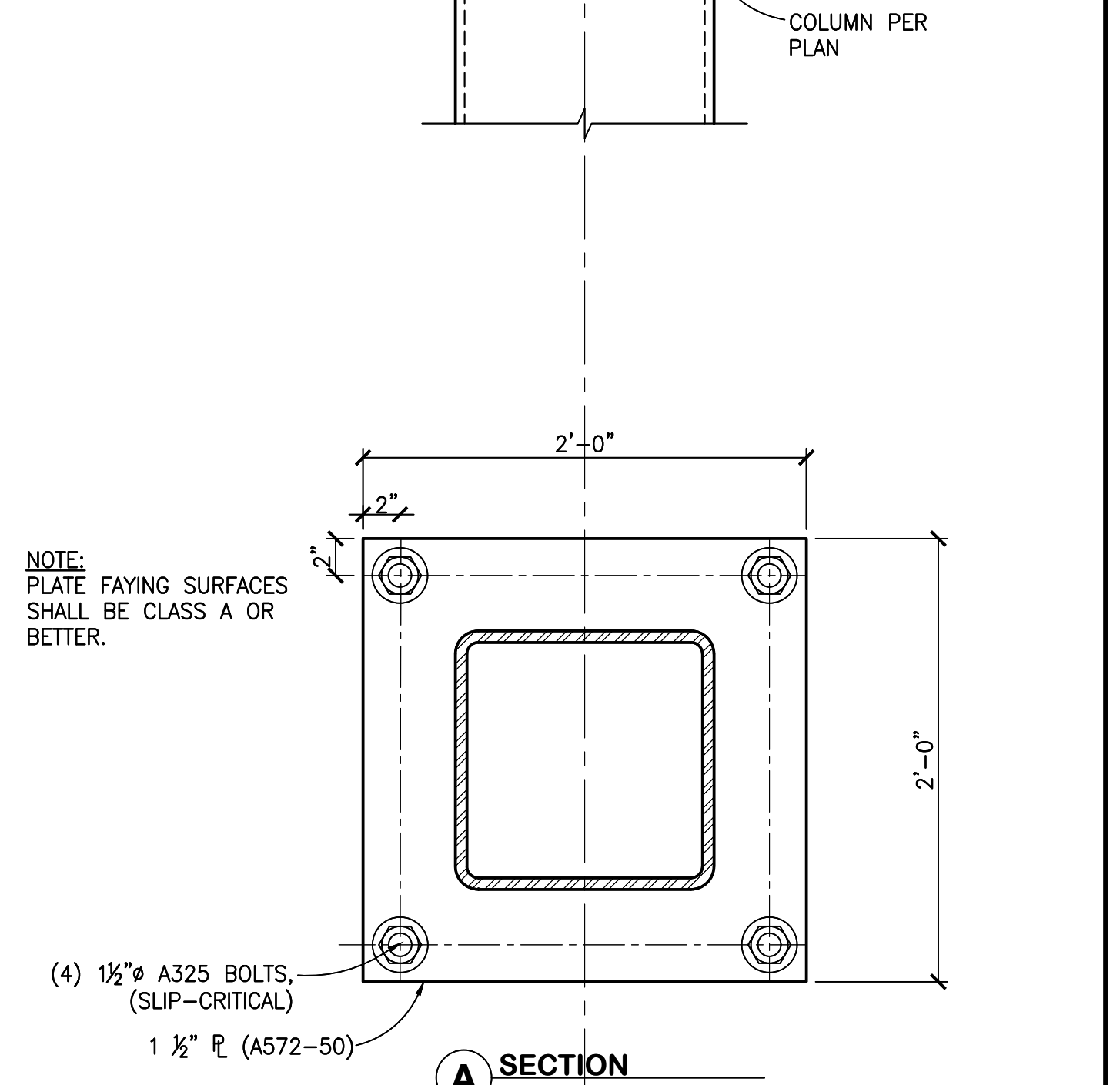
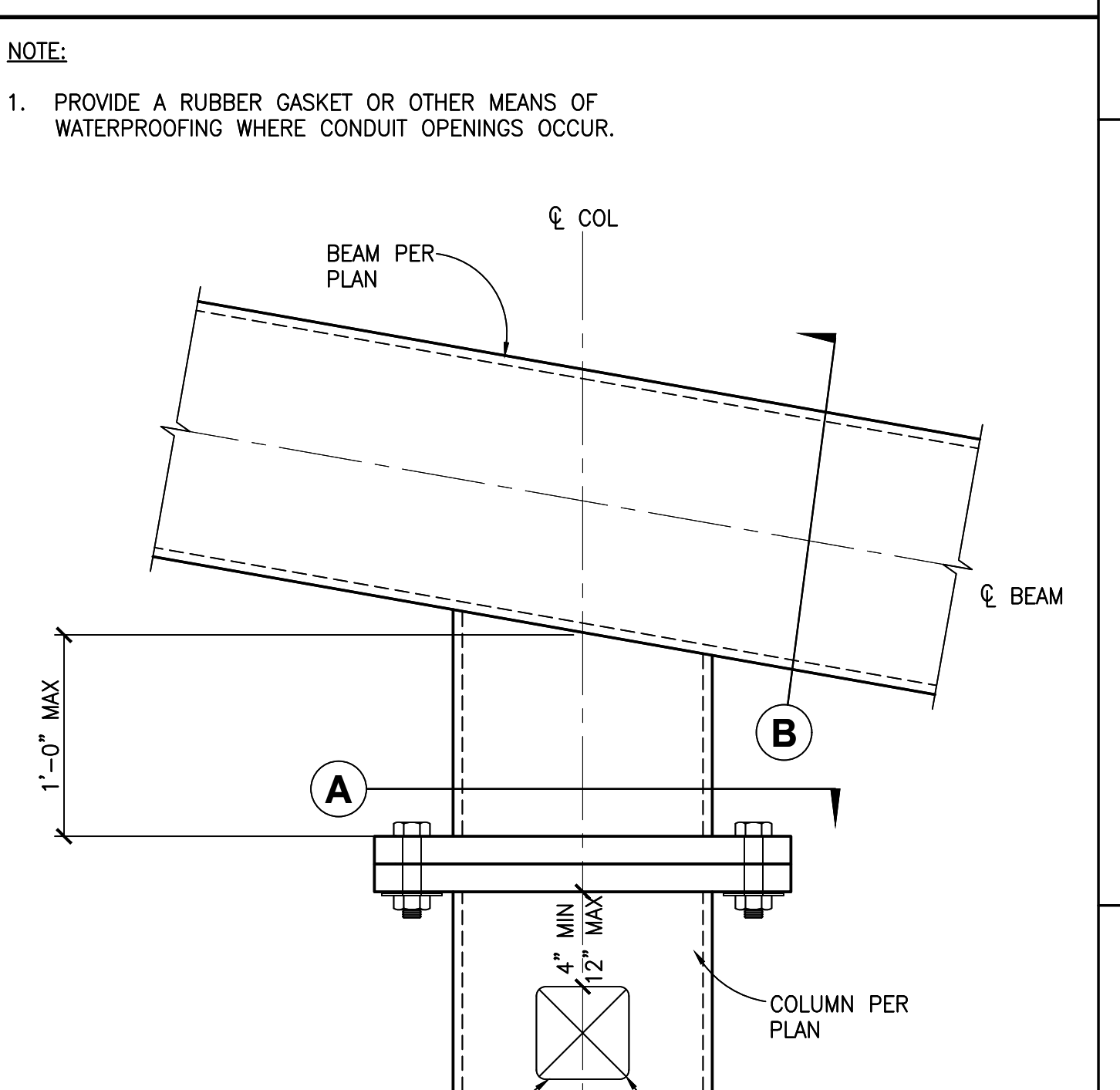
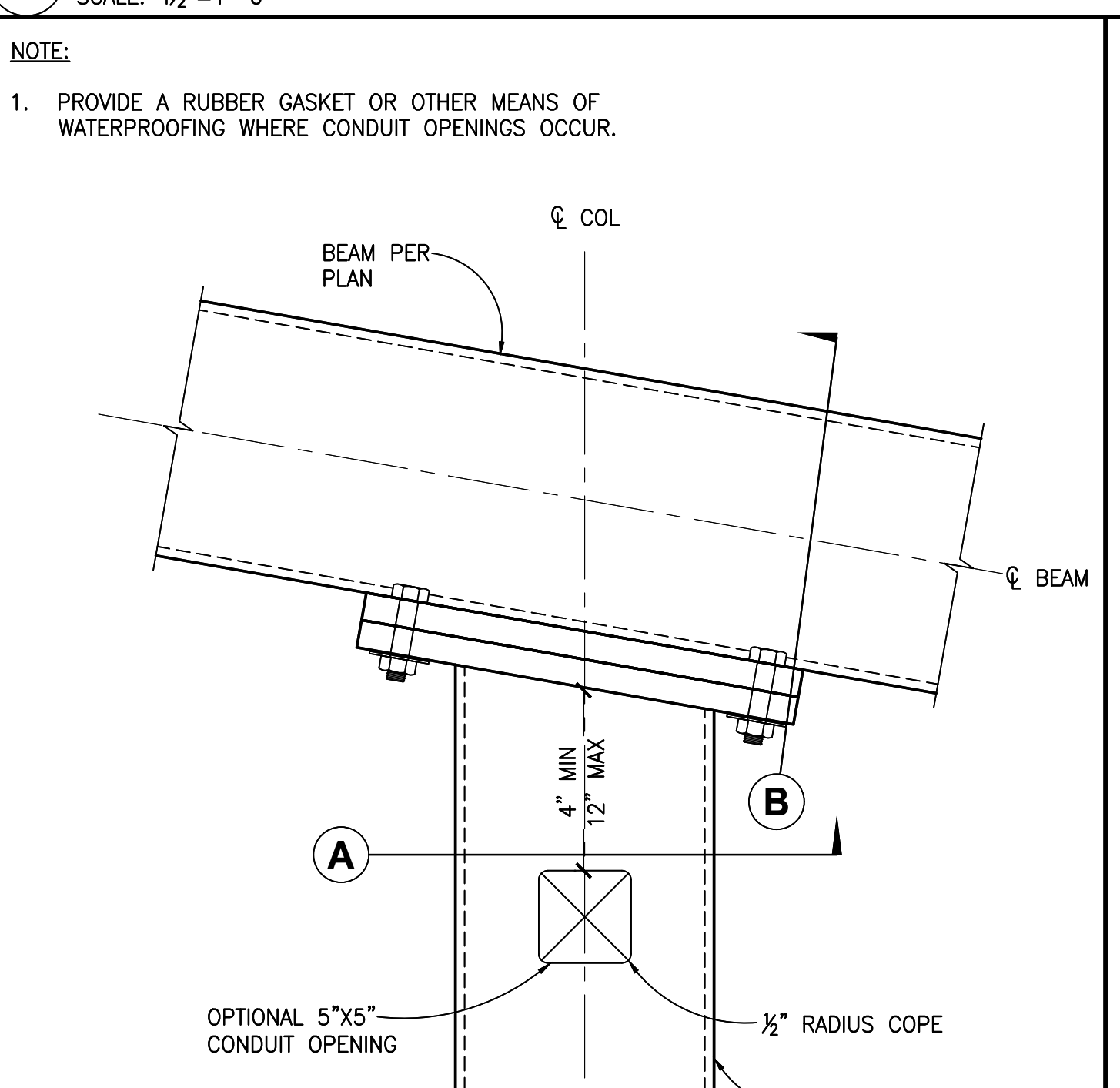
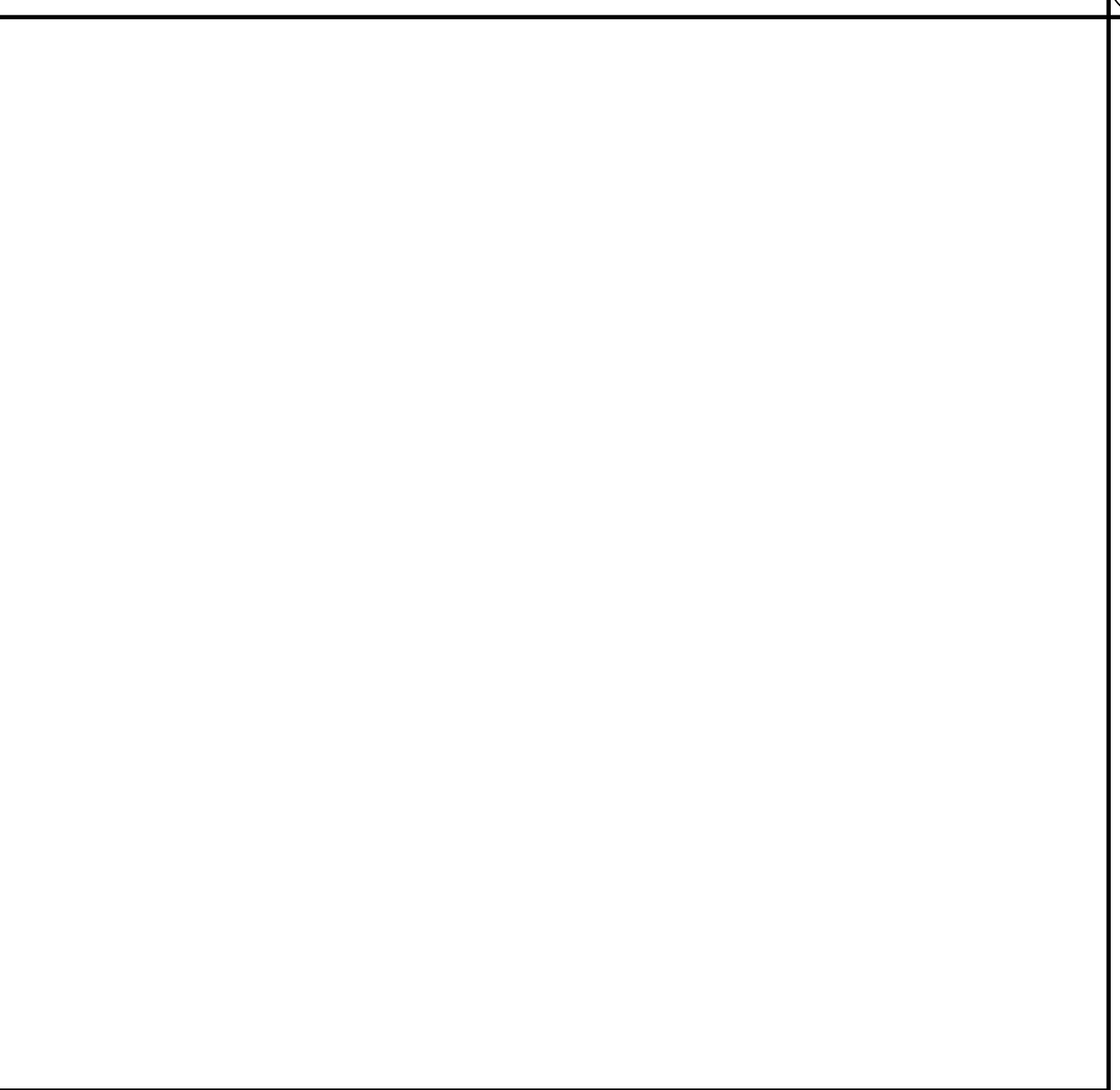
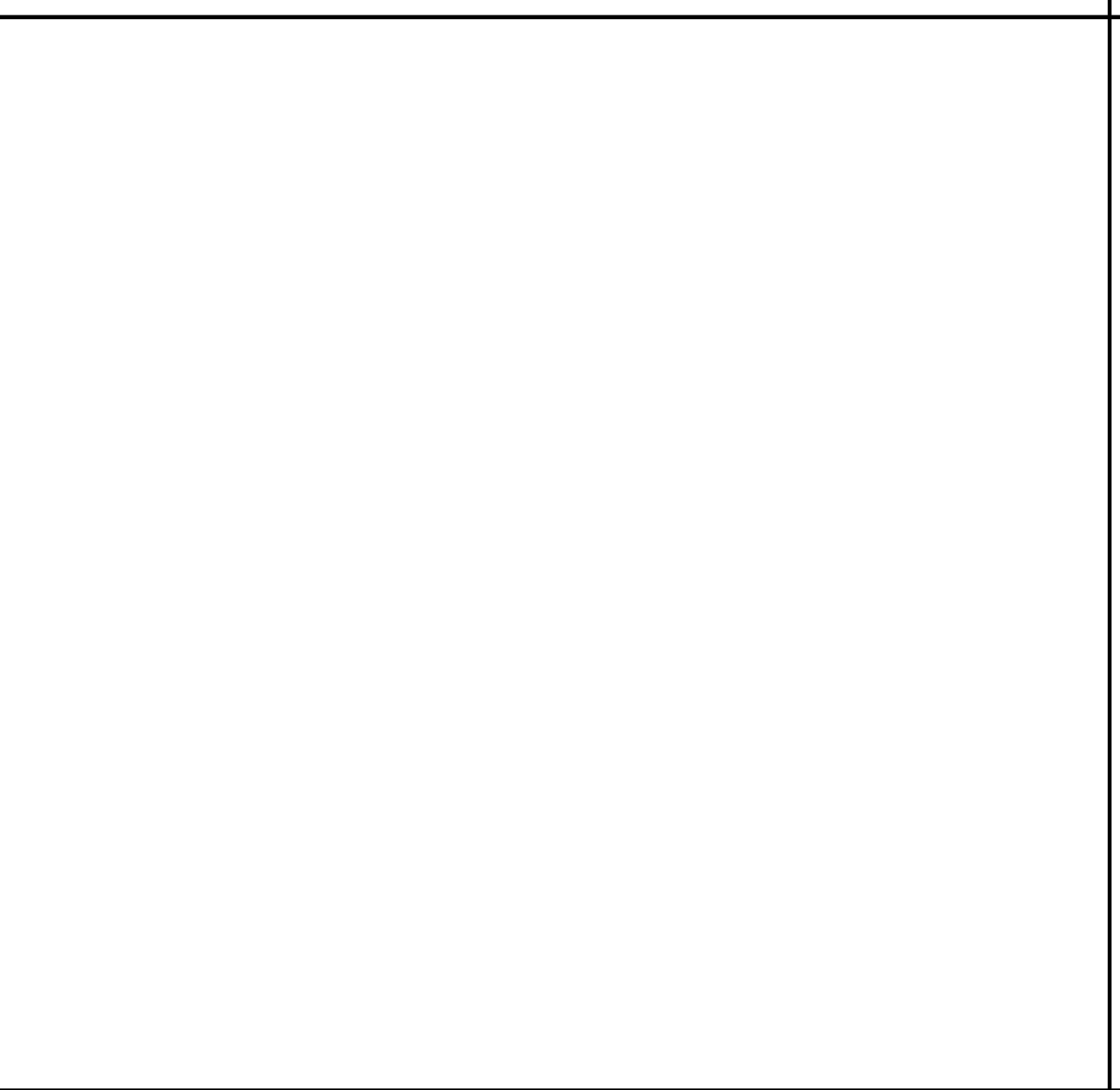
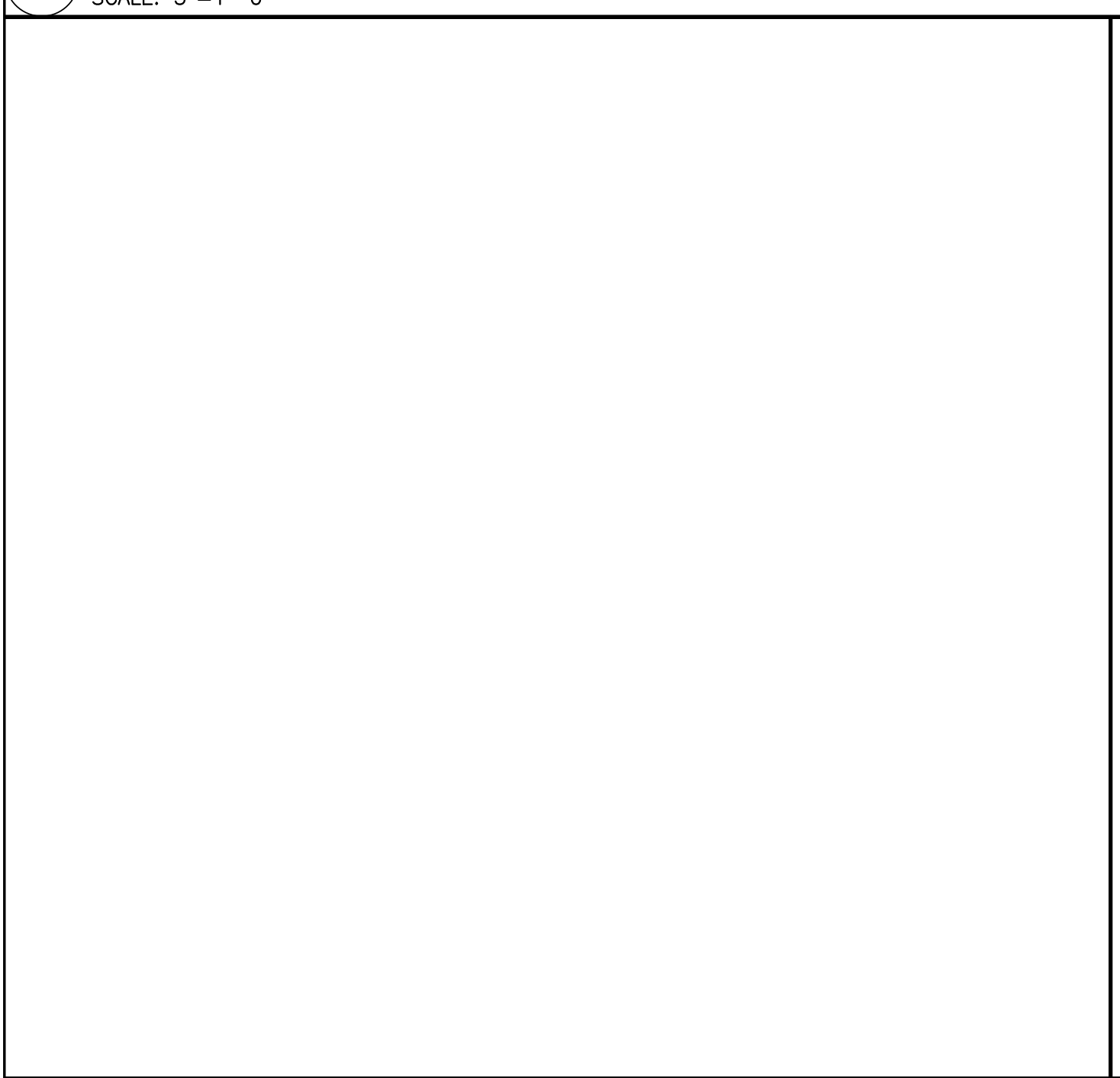
1 ANCHOR BOLT WASHER REQUIREMENTS
SCALE: 3"=1'-0"



WELD NOTE:
1. FILLET WELD MAY BE REPLACED WITH COMPLETE JOINT PENETRATION OR PARTIAL JOINT PENETRATION WELD WITH REINFORCING FILLET THAT IS CAPABLE OF DEVELOPING THE COLUMN MATERIAL CAPACITY.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-119550 - INC.
REVIEWER FOR:
SS FLS ACS
DATE: 10/13/2020

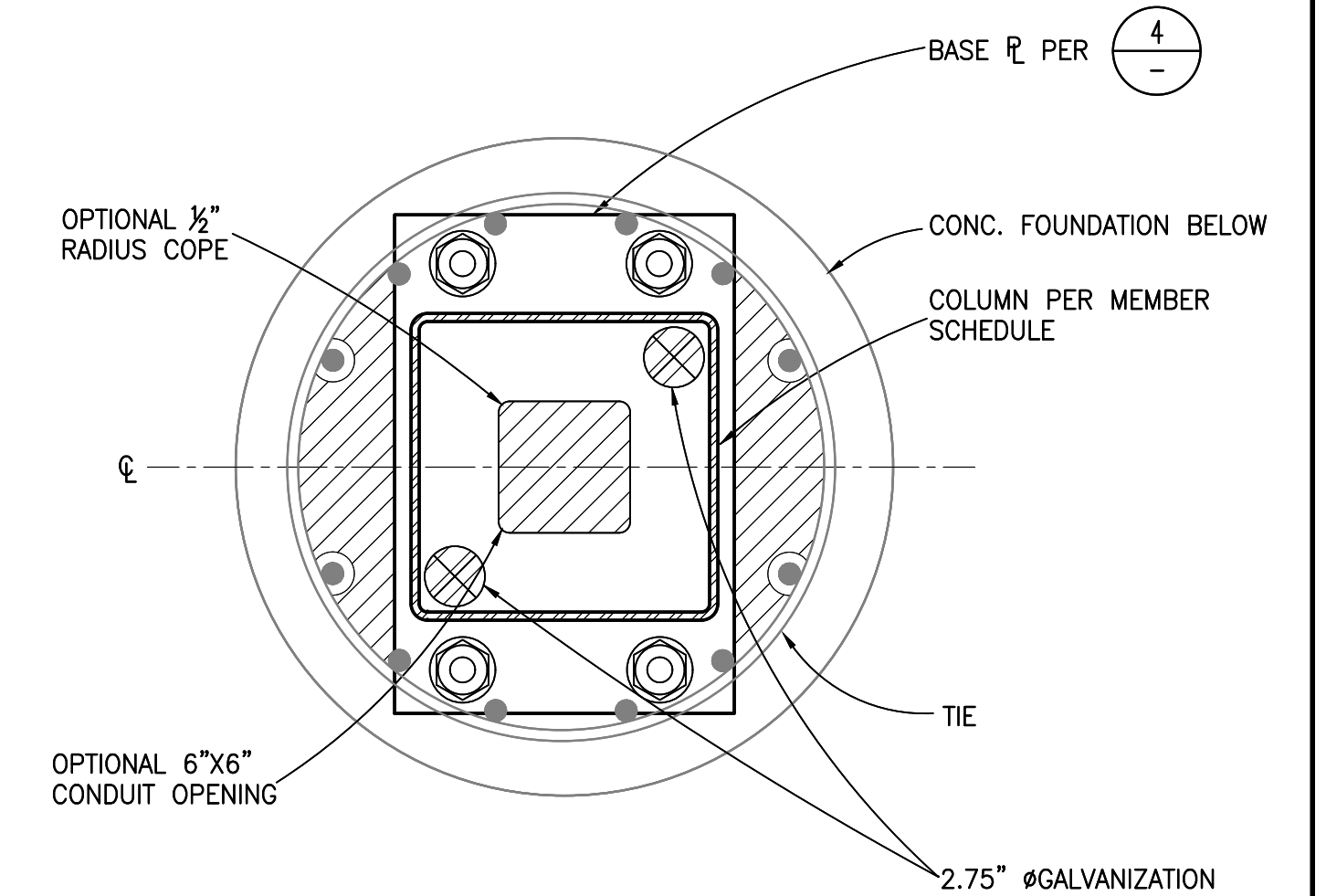
4 BASE PLATE DETAIL
SCALE: 1 1/2"=1'-0"



11 CONDUIT LAYOUT [4- 2" Ø]
SCALE: 1 1/2"=1'-0"

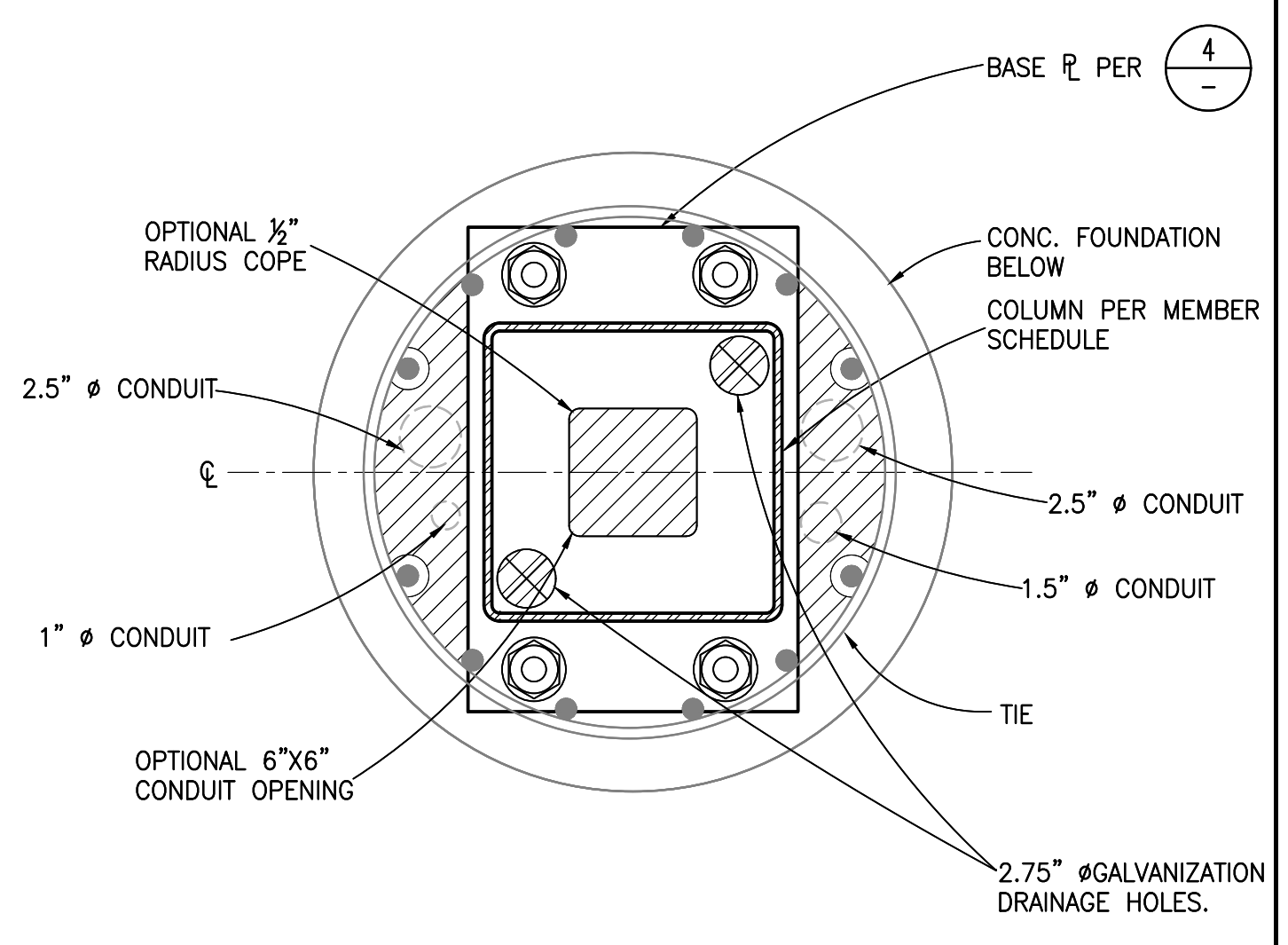
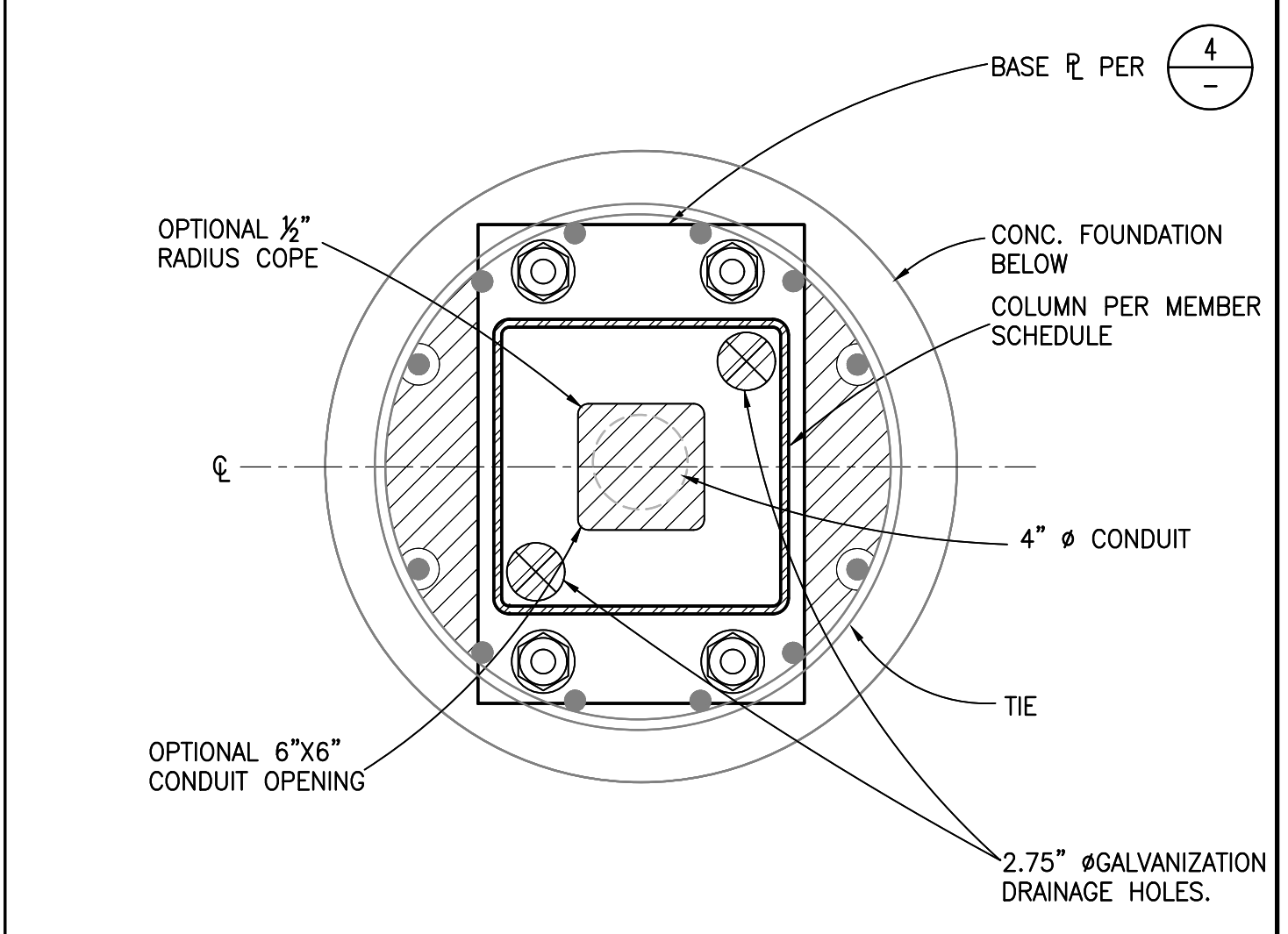
12 CONDUIT LAYOUT [1- 3" Ø, 4- 1" Ø, 1- 1.5" Ø]
SCALE: 1 1/2"=1'-0"

CONDUIT PLACEMENT NOTES:
1. PLACE CONDUITS IN HATCHED REGION ONLY.
2. SPACE CONDUITS W/ 1" CLEAR MINIMUM OR TIE TOGETHER WITH NO SPACE BETWEEN.
3. CLEARANCE BETWEEN CONDUIT AND VERTICAL REBAR = 1" MIN. THIS APPLIES TO THE TOP OF PIER AND WHERE CONDUIT ENTERS THE SIDE OF THE PIER BELOW GRADE.
4. CONDUITS MAY BE TIED TO SPIRAL REBAR CAGE.
5. DO NOT TIE CONDUITS TO ANCHOR BOLTS.
6. CLEARANCE BETWEEN CONDUITS AND ANCHOR BOLTS = 3" MIN.
7. CONDUIT SHALL ENTER THE SIDE OF PIER AT 1'-6" MINIMUM BELOW GRADE.
8. CONDUIT LAYOUTS PER DETAILS 11,12,16,17



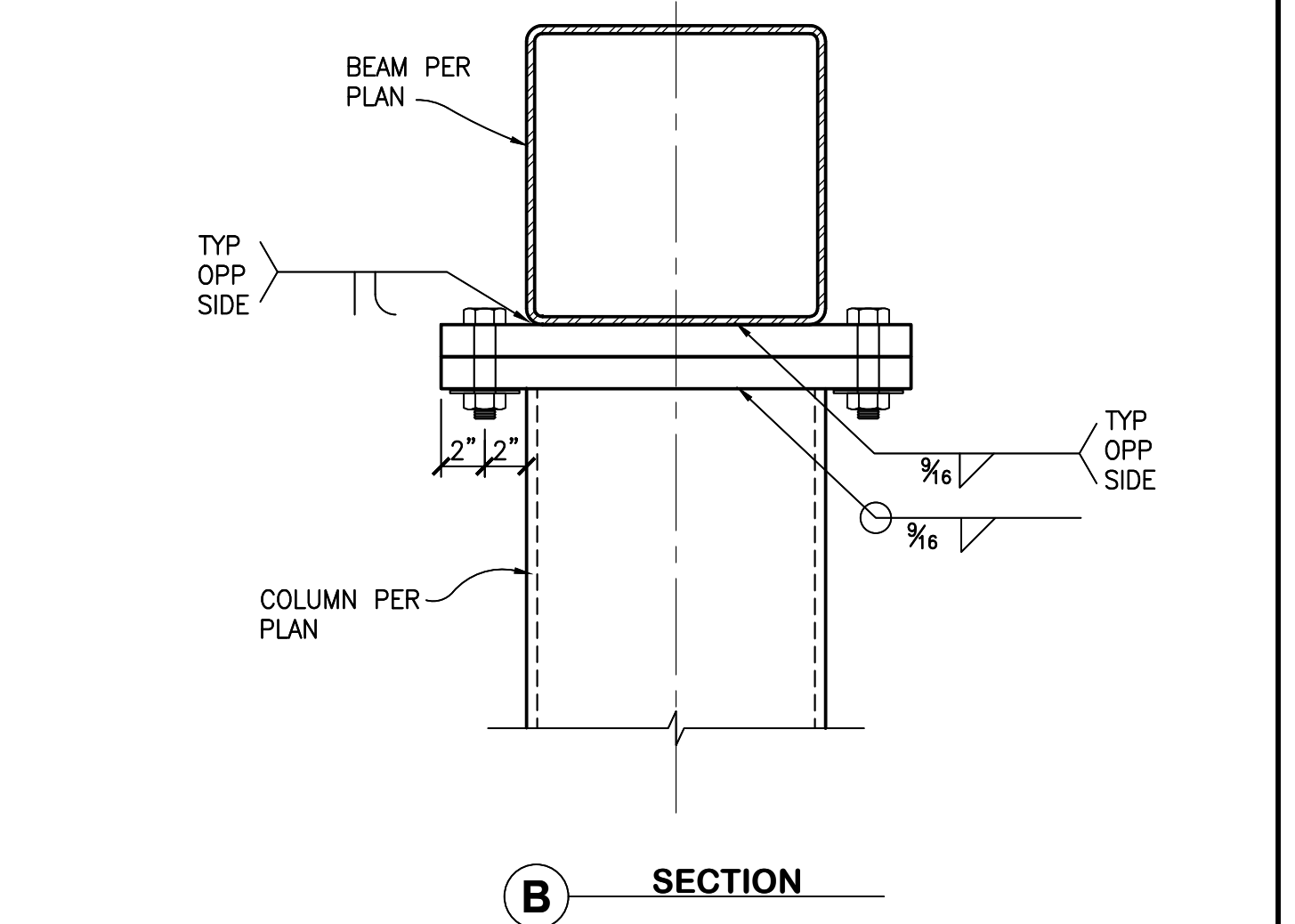
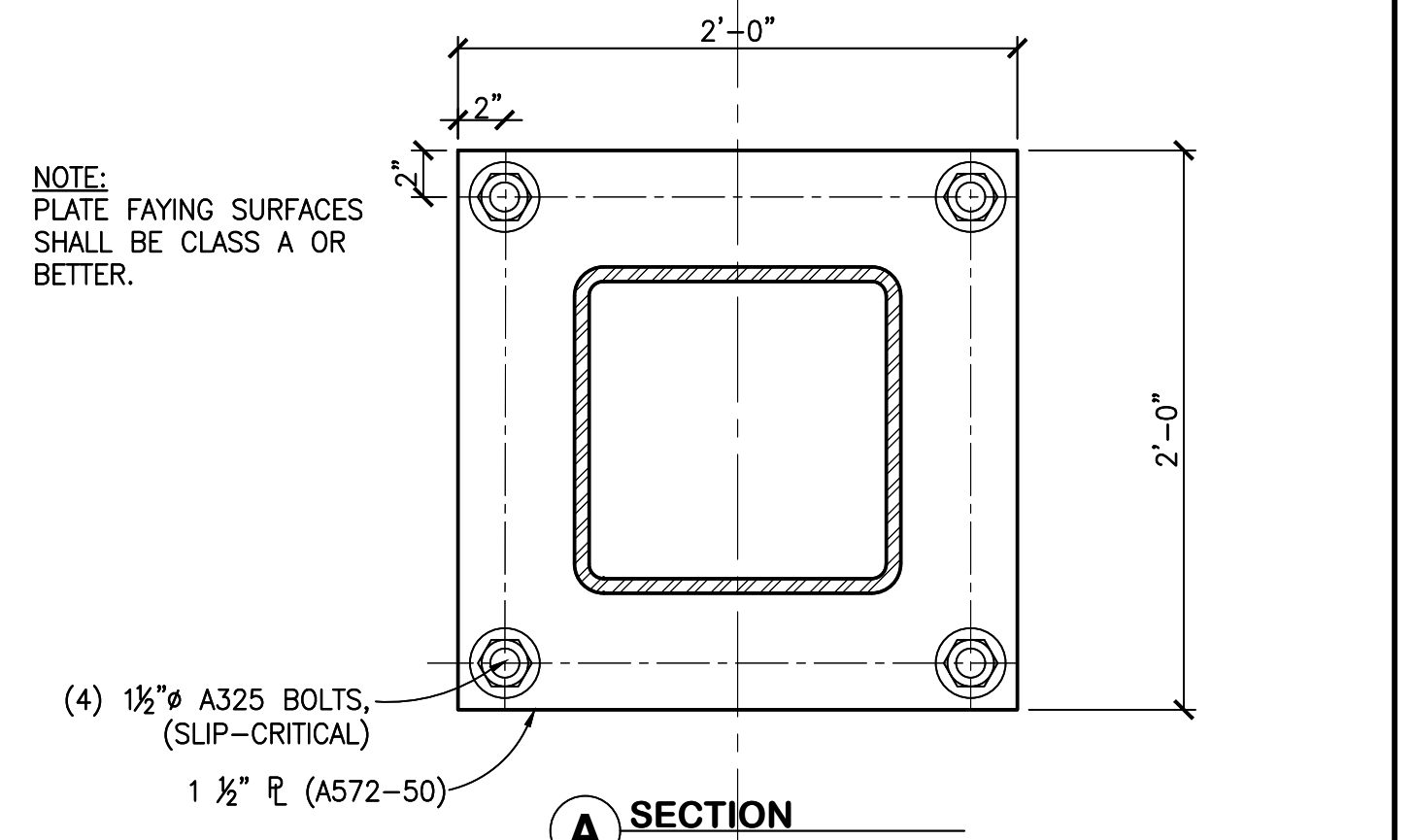
CONDUIT SIZE	AREA (IN ²)
4" Ø	12.56
3" Ø	7.1
2.5" Ø	4.9
2" Ø	3.14
1.5" Ø	1.77
1.0" Ø	0.79

18 BASEPLATE CONDUIT COPE OPTION
SCALE: 1 1/2"=1'-0"

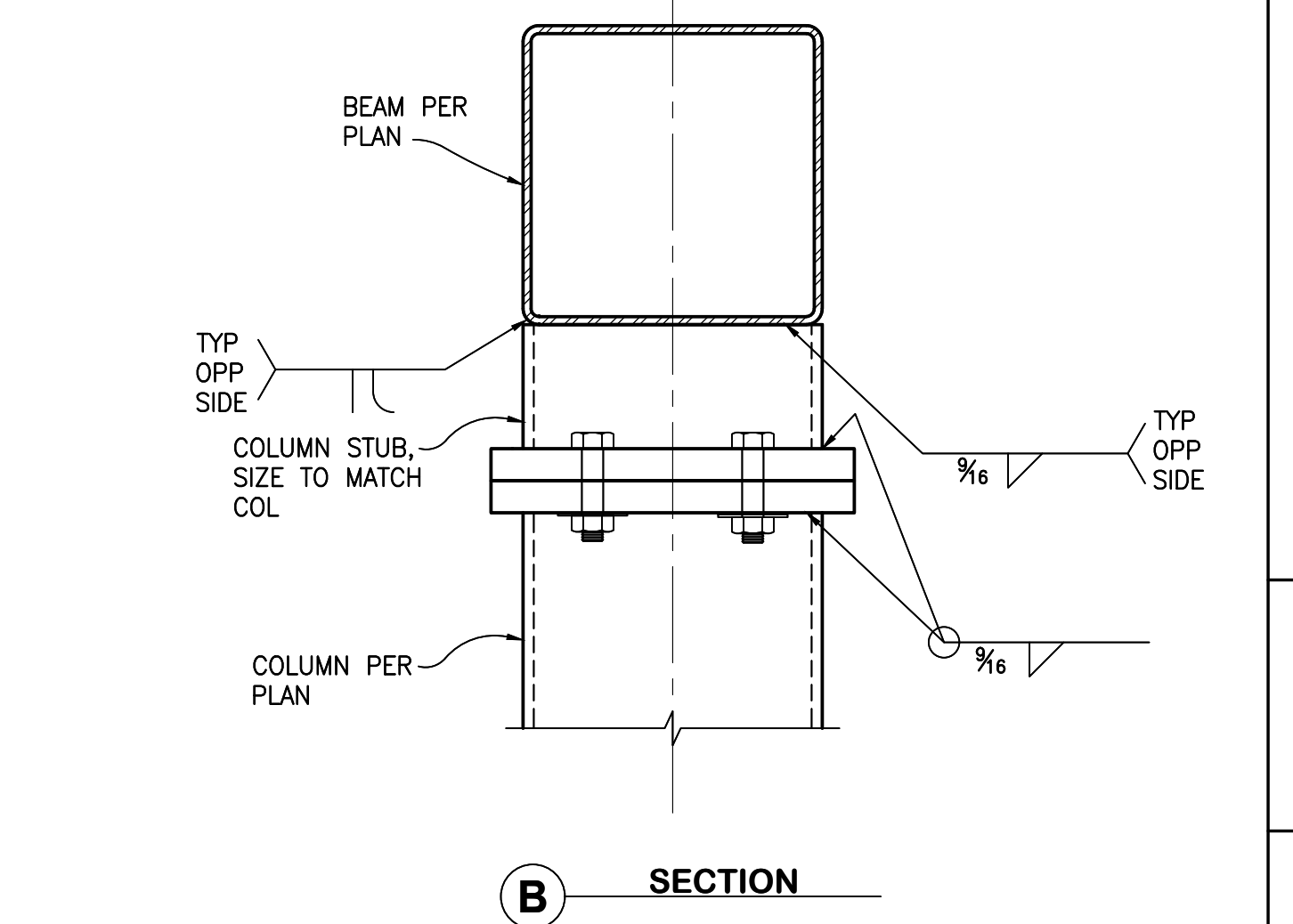
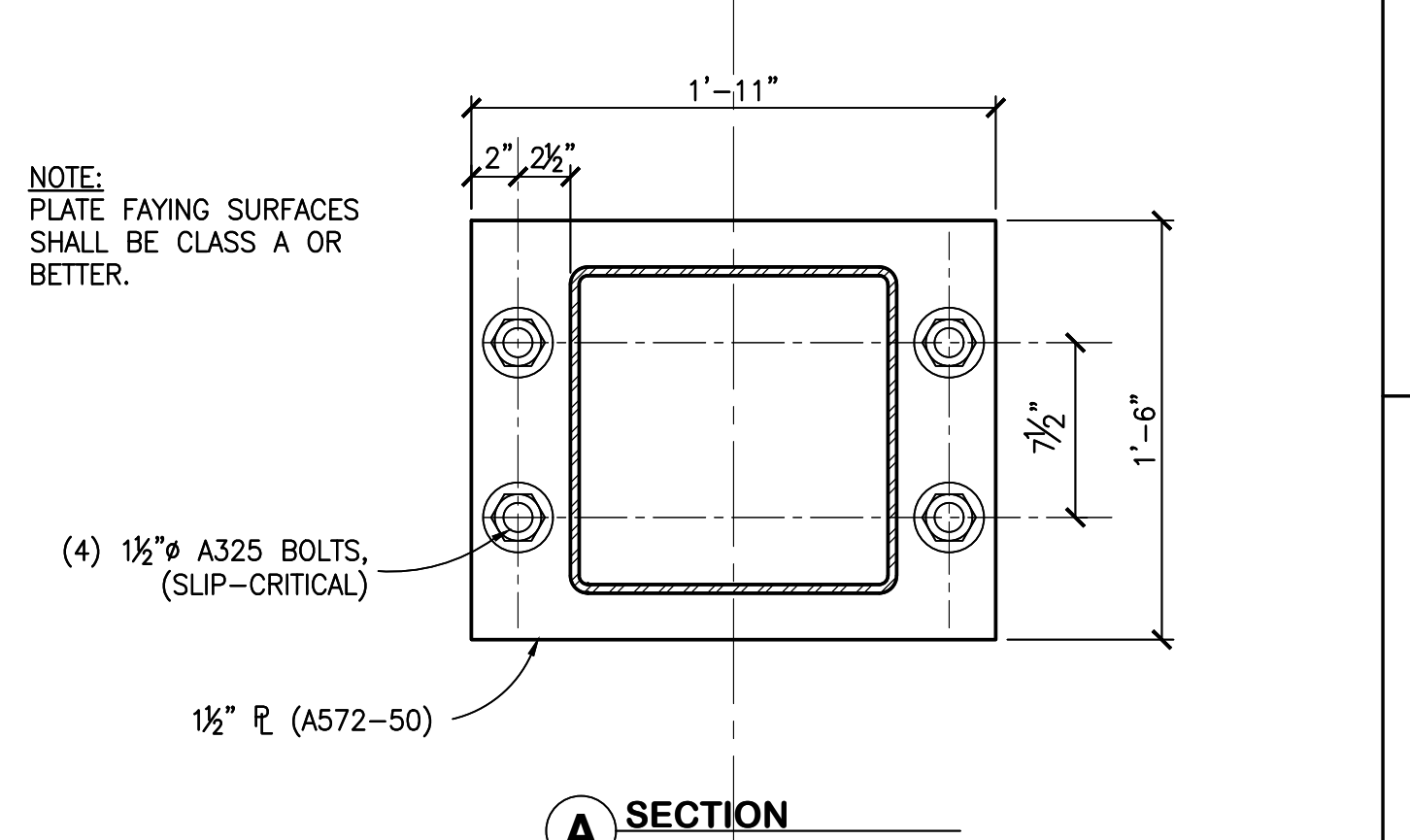


18 CONDUIT LAYOUT [1- 4" Ø]
SCALE: 1 1/2"=1'-0"

18 CONDUIT LAYOUT [2- 2.5" Ø, 1- 1" Ø, 1- 1.5" Ø]
SCALE: 1 1/2"=1'-0"



19 BEAM TO COLUMN CONN. [OPTION 1]
SCALE: 1 1/2"=1'-0"



20 BEAM TO COLUMN CONN. [OPTION 2]
SCALE: 1 1/2"=1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-118384 - INC.
REVIEWER FOR:
SS FLS ACS
DATE: 05.29.19

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

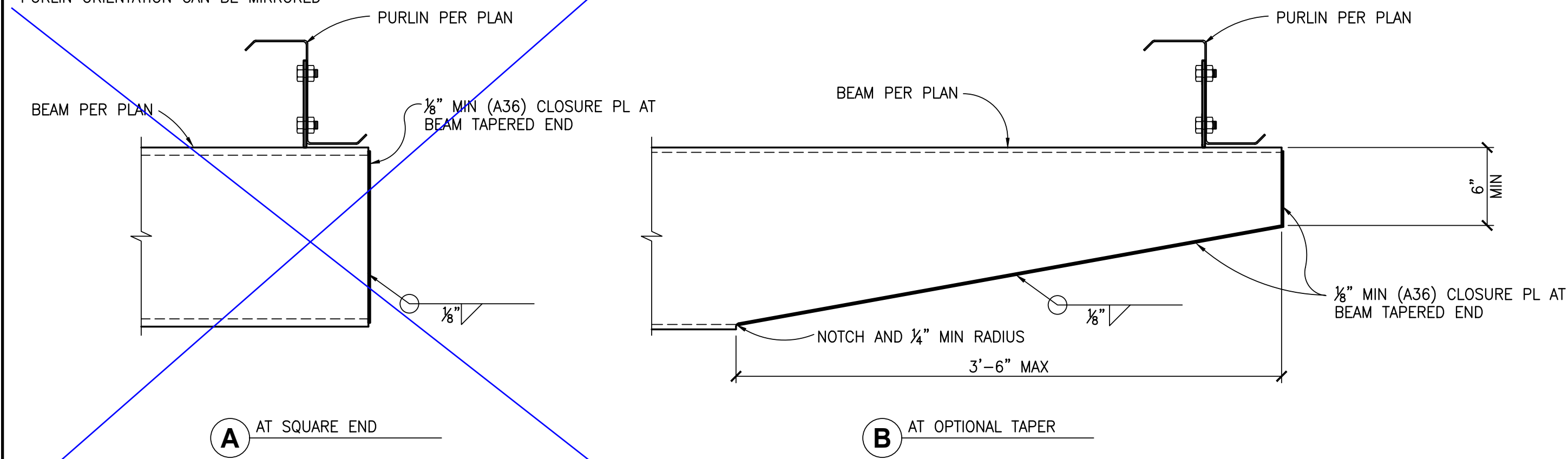
Professional Engineer
Structural
State of California
05/28/2019

NO.	DATE	BY	DESCRIPTION
1	7/11/2022	DBB	RECORD DRAWING SET

OPPORTUNITY 1571185
PROJECT 1800207
DATE 06/29/2018
DRAWN BY LQ/SW

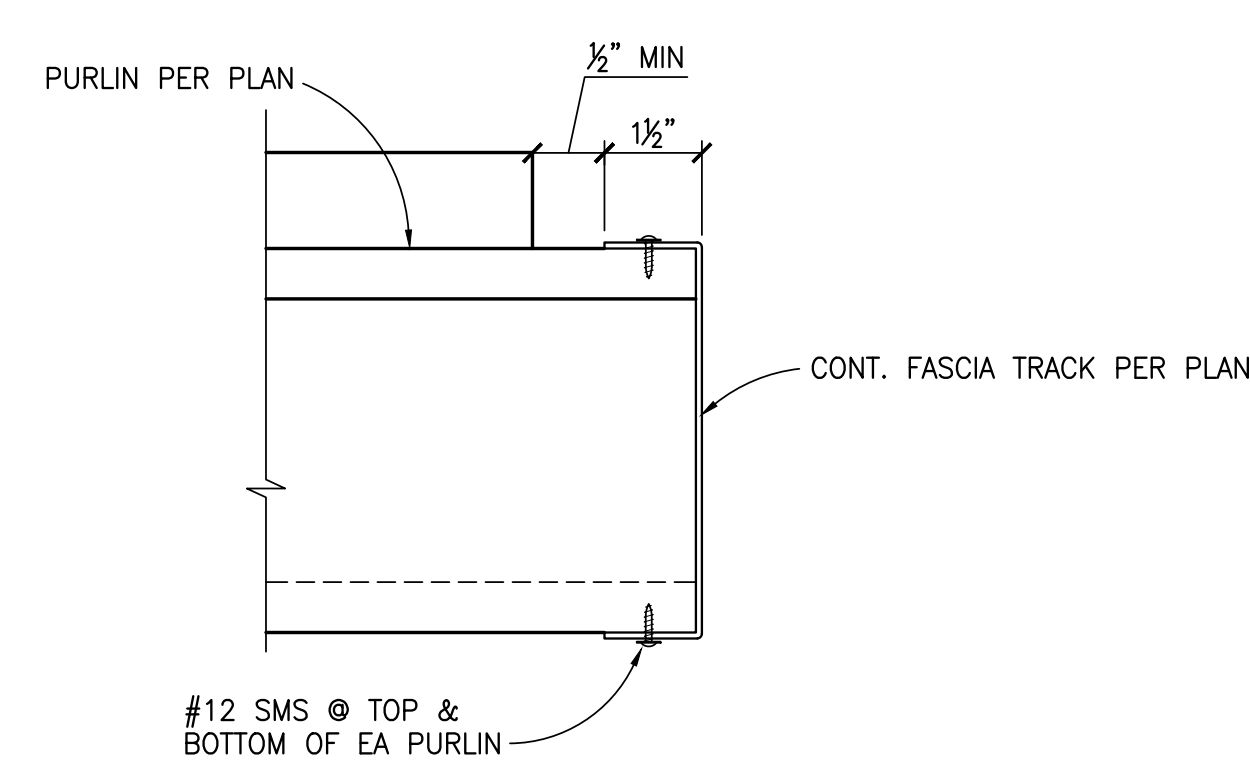
NOTE:
CLOSURE PLATE IS NON-STRUCTURAL
AND INTENDED TO PREVENT WATER
FROM ENTERING BEAMS

PURLIN ORIENTATION CAN BE MIRRORED



2 BEAM END DETAIL

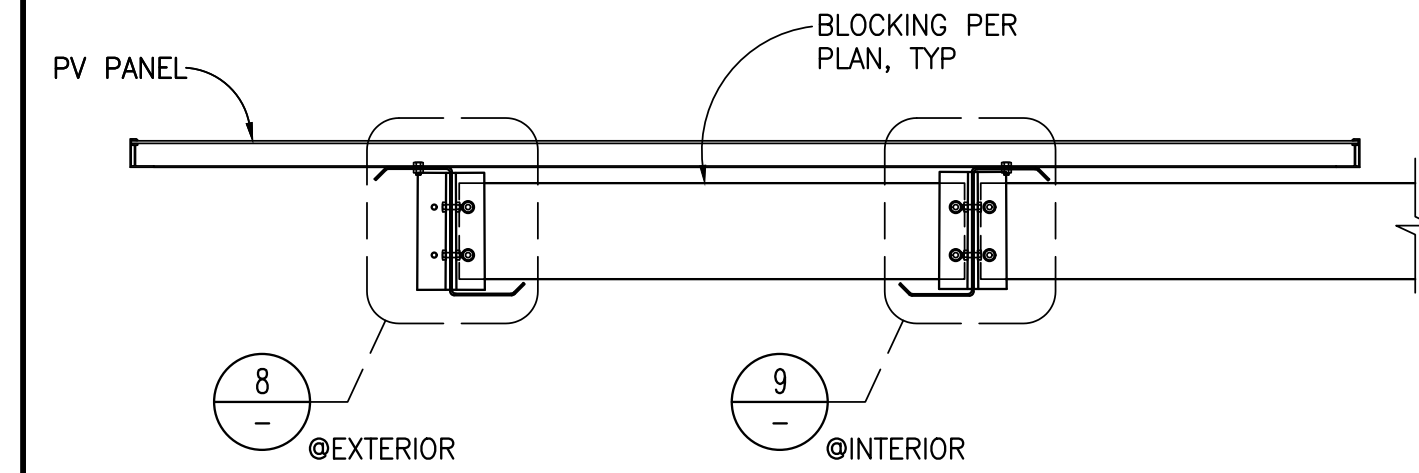
SCALE: 1/2"=1'-0"



4 PURLIN FASCIA CONNECTION

SCALE: 3"=1'-0"

NOTE: PURLIN ORIENTATION CAN BE MIRRORED



5 BLOCKING DETAIL

SCALE: 1"=1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-119550 INC.
REVIEWED FOR
SS FLS ACS
DATE: 10/13/2020

SUNPOWER™
1414 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

kpff

3131 Camino Del Rio North, Suite 1080
San Diego, California 92108
(619) 521-8500 Fax (619) 521-8591
www.kpff.com kpff project #1800207

SUNPOWER / KPFF
DSA - PC PV STRUCTURE SYSTEM
DETAILS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-118384 INC.
REVIEWED FOR
SS FLS ACS
DATE: 05.29.19

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR
CONSTRUCTION IS REQUIRED

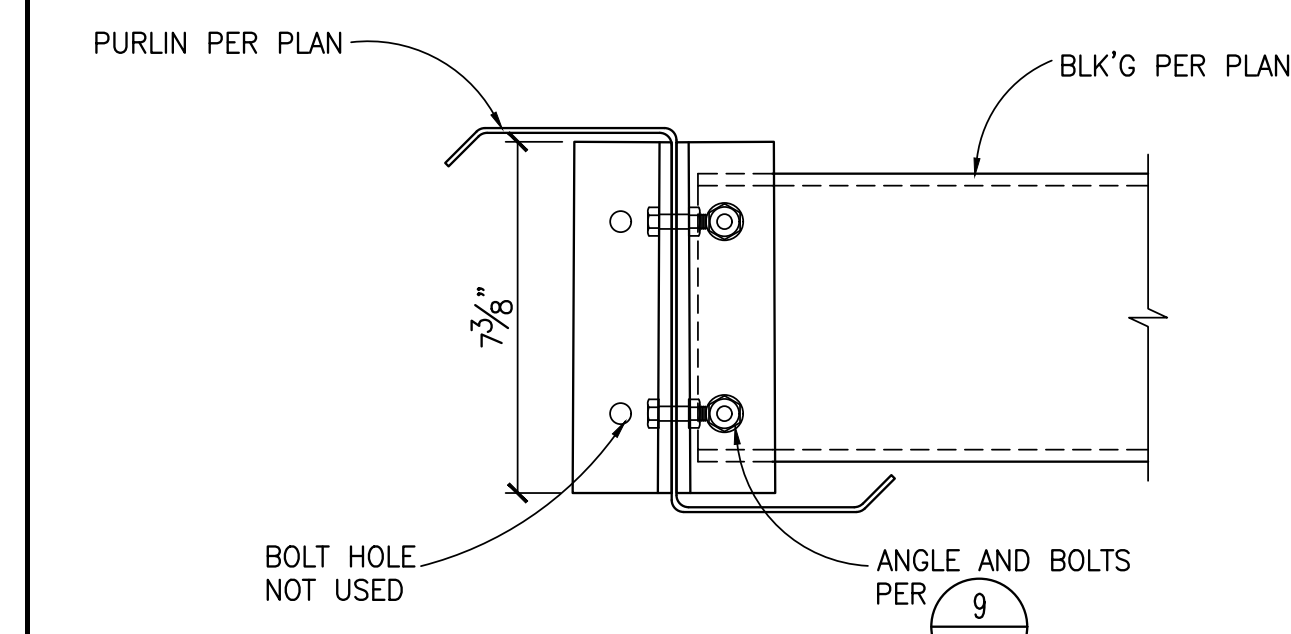
PROFESSIONAL ENGINEER
STAMP
SUNPOWER
Exp. 03/30/20
05/28/2019
STATE OF CALIFORNIA

NO.	DATE	DB	CR
1	7/11/2022		

OPPORTUNITY 1571185
PROJECT 1800207
DATE 06/29/2018
DRAWN BY LQ/SW

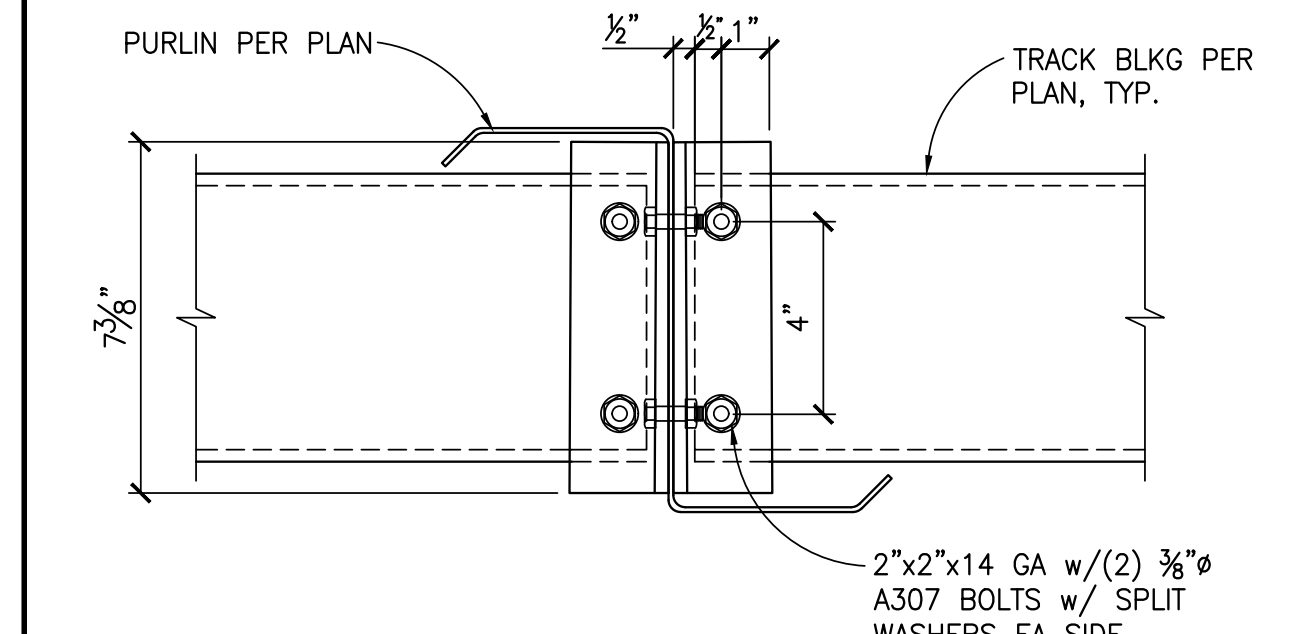
REVISION SCHEDULE
Description
RECORD DRAWING SET

ORIGINAL SHEET SIZE 36" x 48"
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE
SHEET **S500**
COPYRIGHT 2018 © SUNPOWER CORP



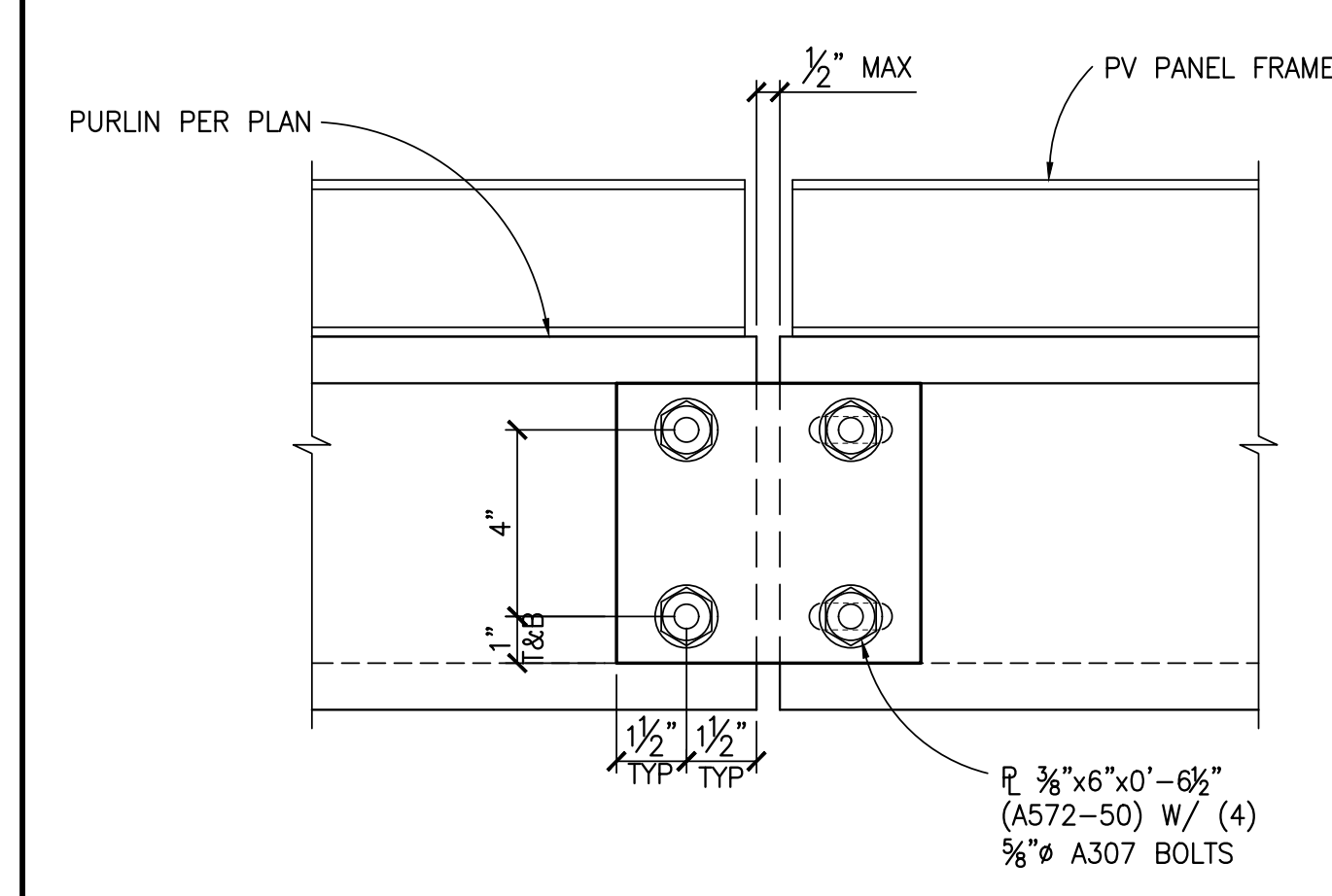
8 BLOCKING END CONDITION

SCALE: 3"=1'-0"



9 BLOCKING CONNECTION

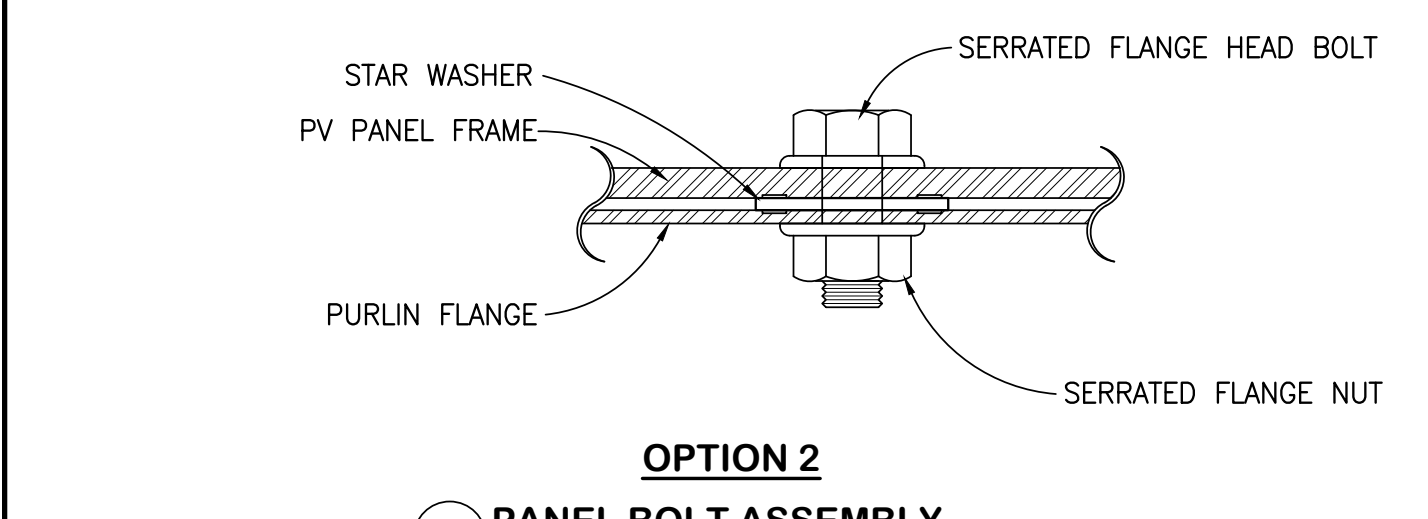
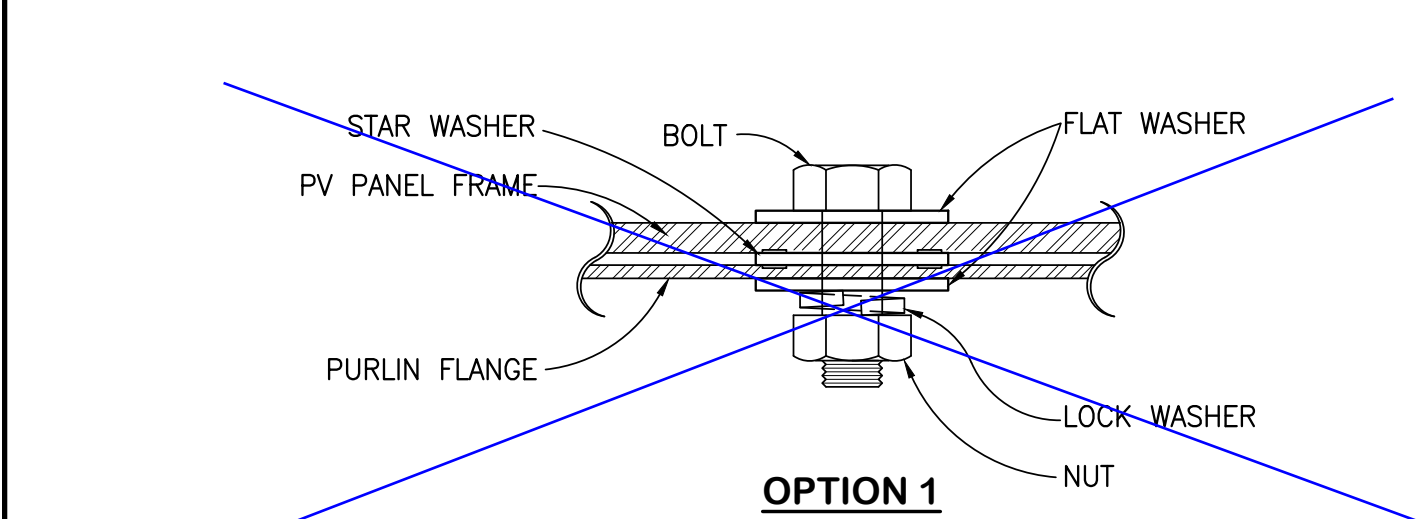
SCALE: 3"=1'-0"



10 PURLIN TO PURLIN SPLICE CONN.

SCALE: 3"=1'-0"

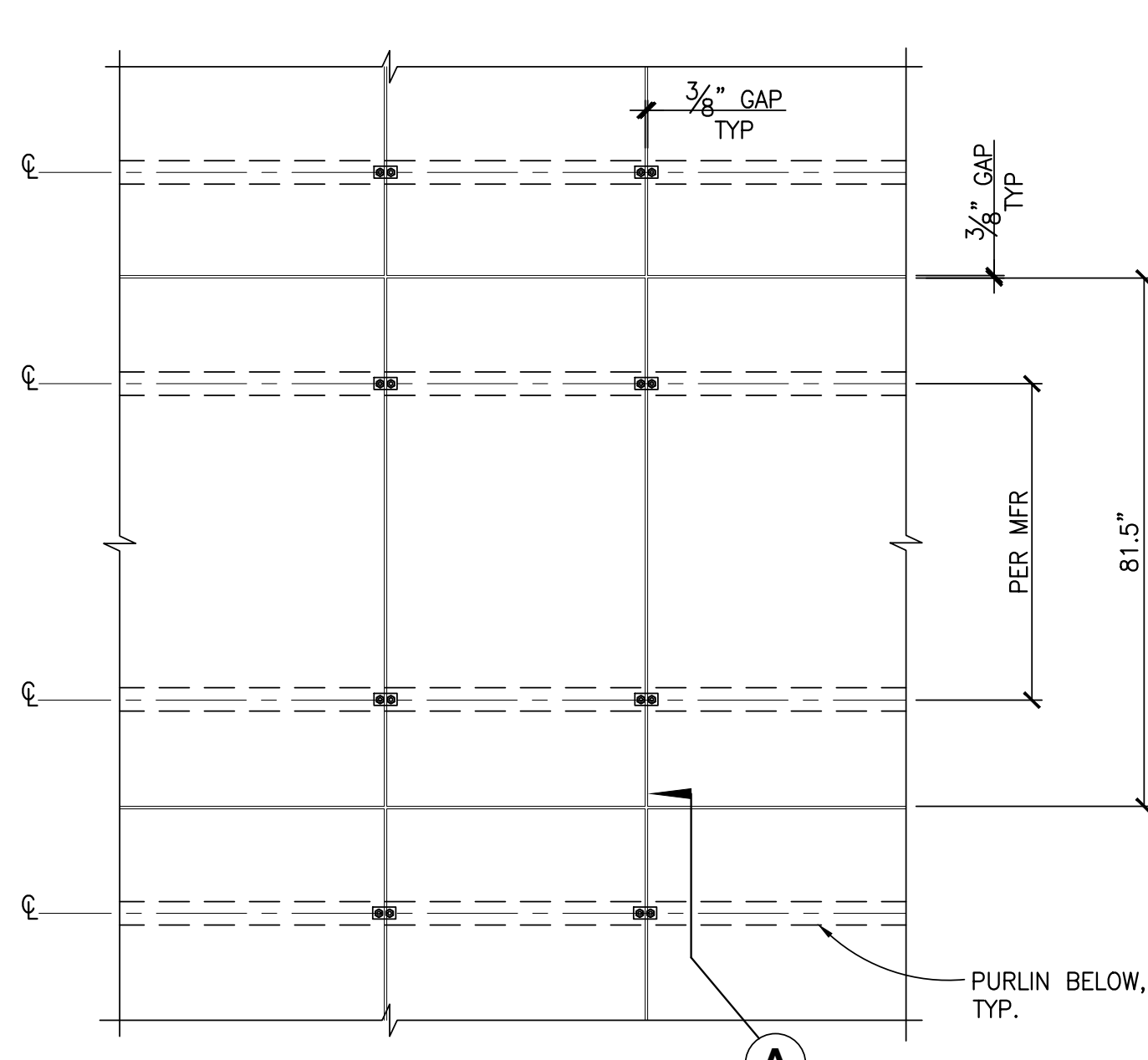
NOTE:
1. PROVIDE SPLIT WASHERS BETWEEN COLD FORMED AND NUT/BOLT HEAD SURFACES.
2. SOLAR PANELS MUST NOT SPAN ACROSS OR BE CONNECTED ON OPPOSING SIDES OF THIS CONNECTION



17 PV PANEL ATTACHMENT DETAIL

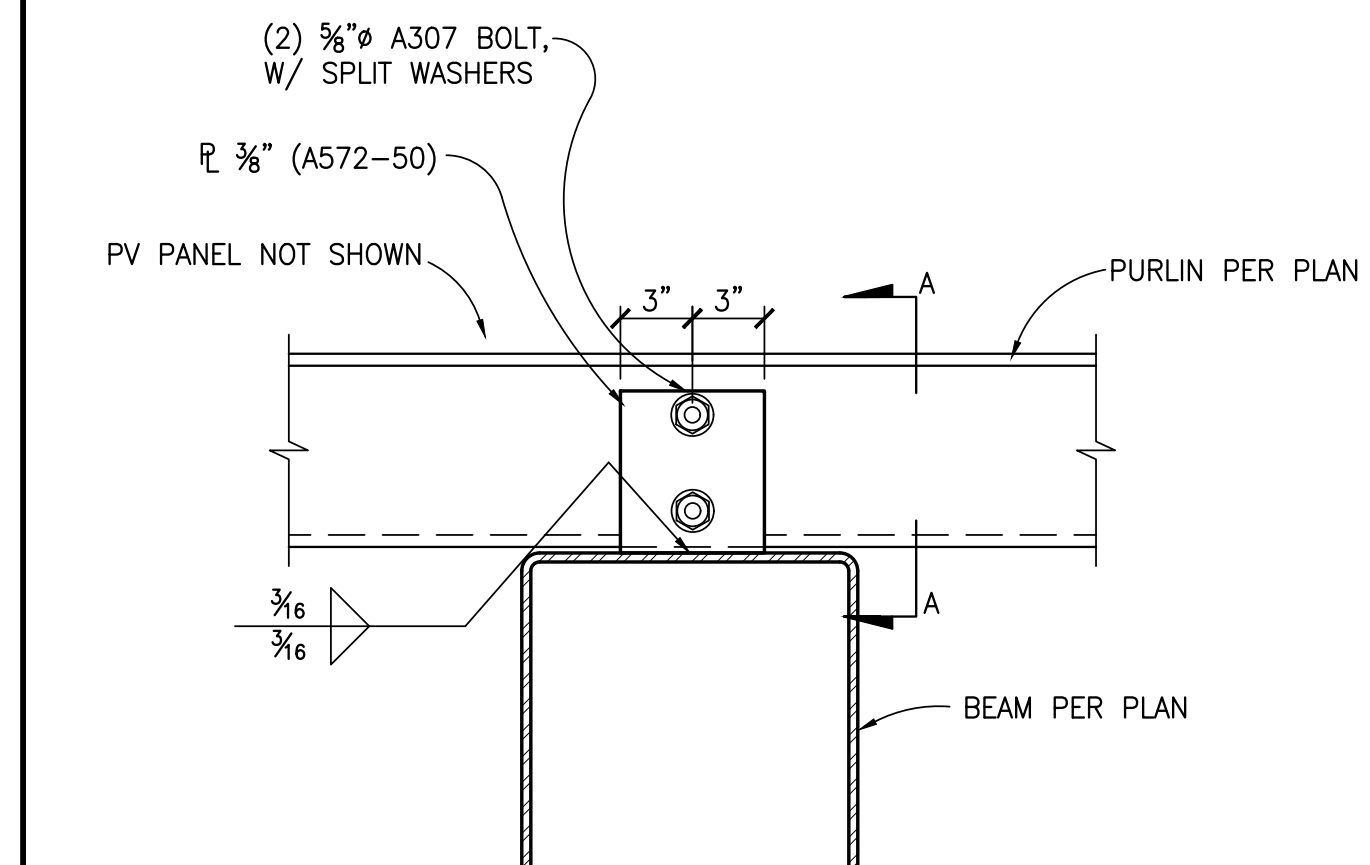
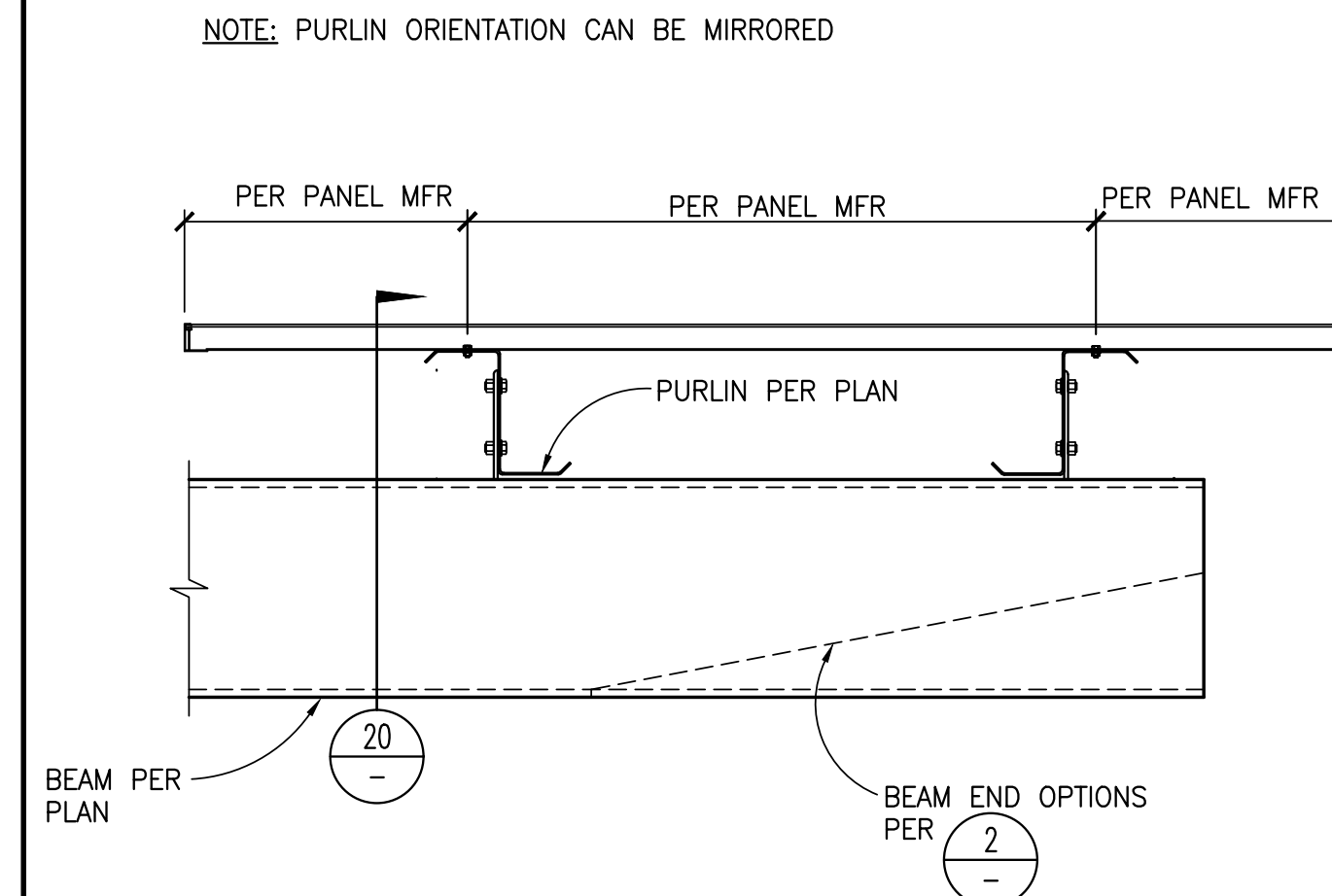
SCALE: 1/2"=1'-0"

NOTE:
1. MIN. TENSILE STRENGTH=100 KSI
2. CONTRACTOR MUST SUBMIT THEIR PROPOSED INSTALLATION PROCEDURE TO ENSURE MAXIMUM AND MINIMUM TORQUE TO THE RESPONSIBLE DESIGN ENGINEER AND DSA PRIOR TO BEGINNING INSTALLATION



14 PV PANEL UNIT TO BEAM

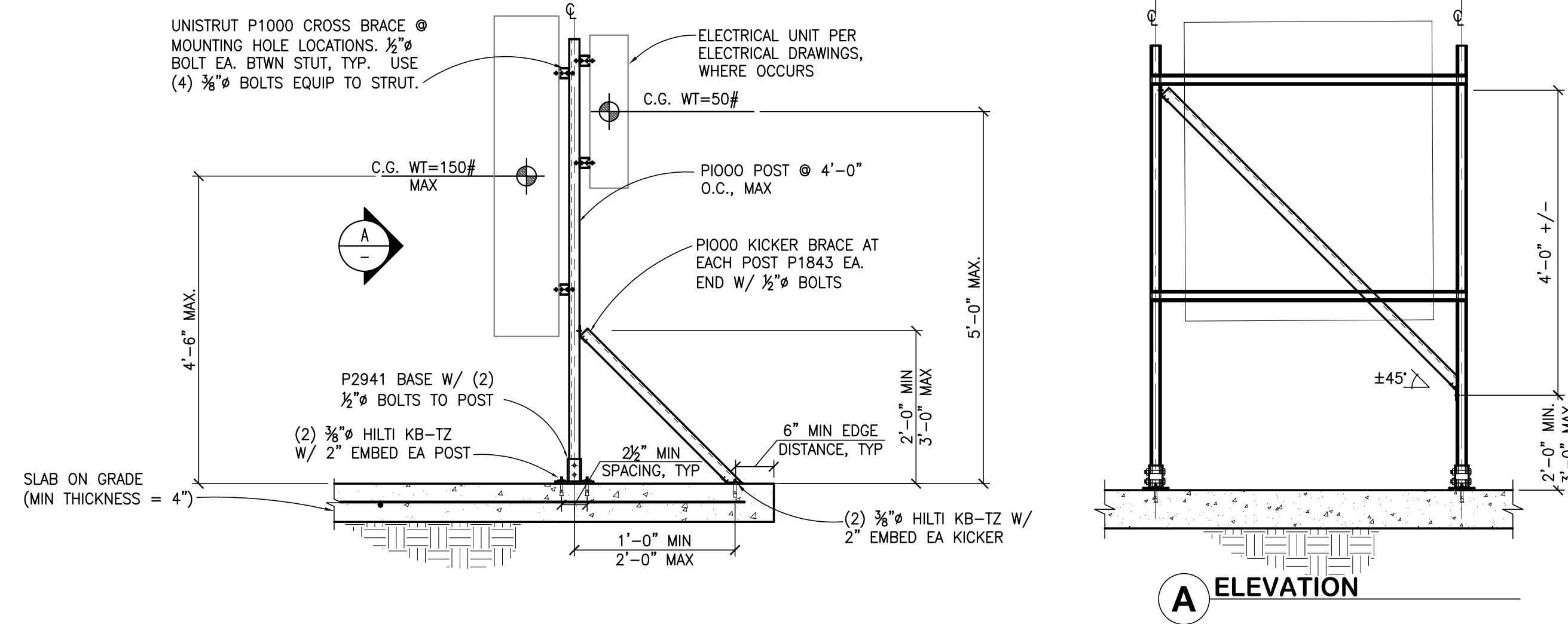
SCALE: 1"=1'-0"



20 PURLIN CONNECTION

SCALE: 1/2"=1'-0"

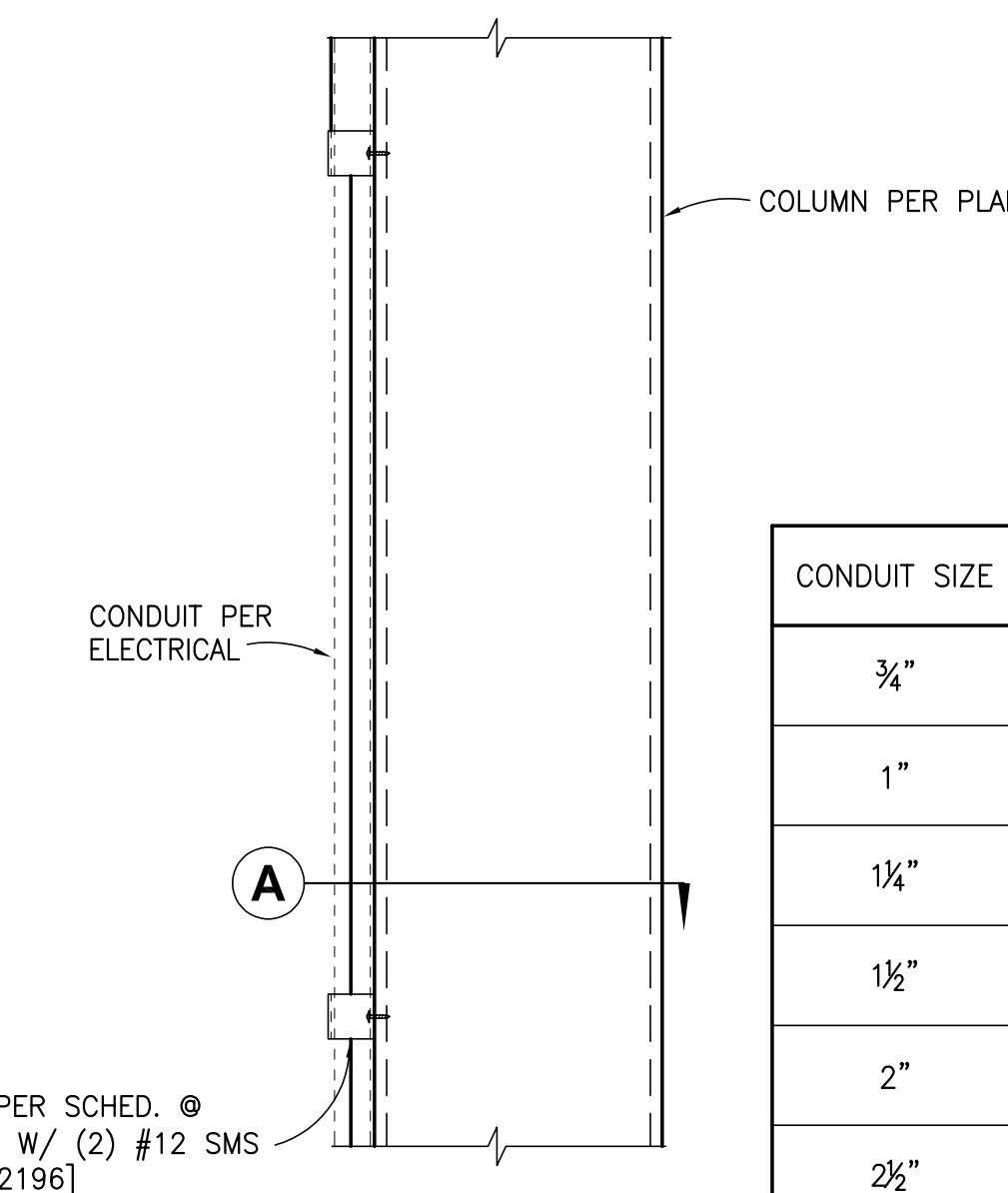
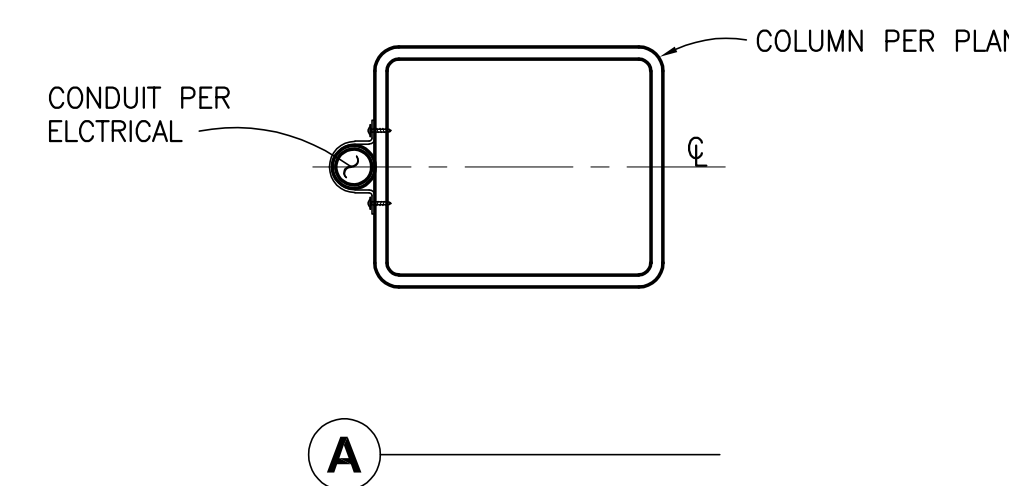
NOTE:
THE MAXIMUM TOTAL WEIGHT OF THE EQUIPMENT IS 600-LBS PER SPAN.



2 OPTIONAL EQUIPMENT DETAIL
SCALE: 3/4"=1'-0"

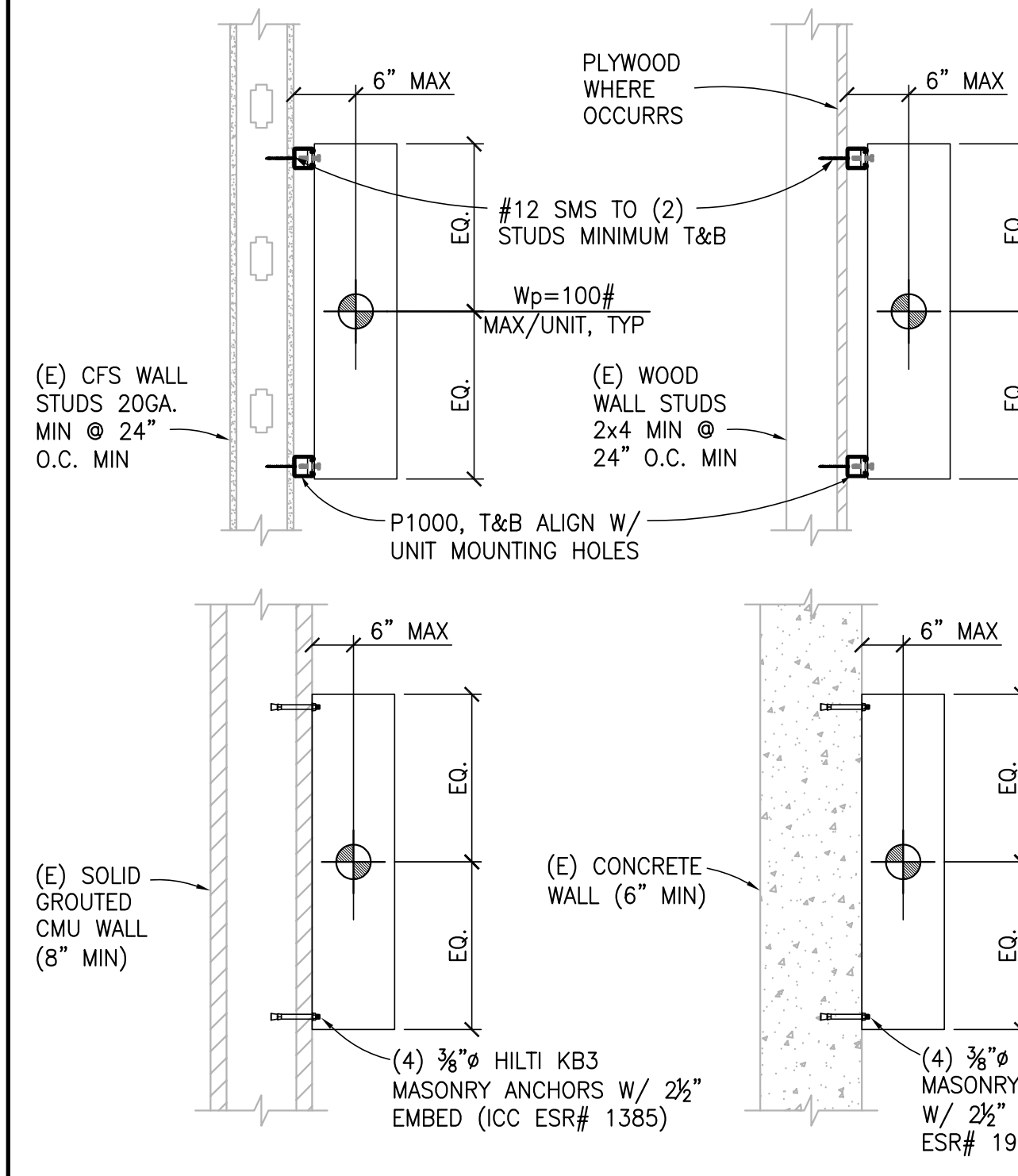
NOTE:

- IF HSS SECTION THICKNESS EXCEEDS 1/2" USE 3/8" A307 IN LIEU OF THE #12 SMS. TAP THREADS INTO TUBE WALL.
- ARCHITECT OR OTHER TO ADDRESS AND PROVIDE WATERPROOFING AS REQUIRED.

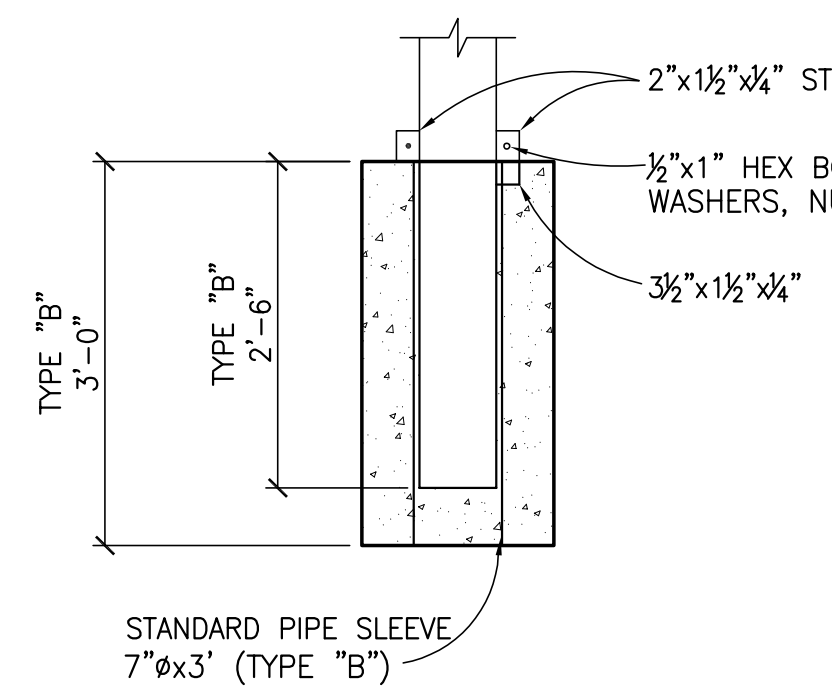


CONDUIT SIZE	UNISTRUT SIZE
3/4"	P2558-07
1"	P2558-10
1 1/4"	P2558-12
1 1/2"	P2558-15
2"	P2558-20
2 1/2"	P2558-25
3"	P2558-30

12 OPTIONAL PIPE / CONDUIT MOUNTING
SCALE: 1 1/2"=1'-0"

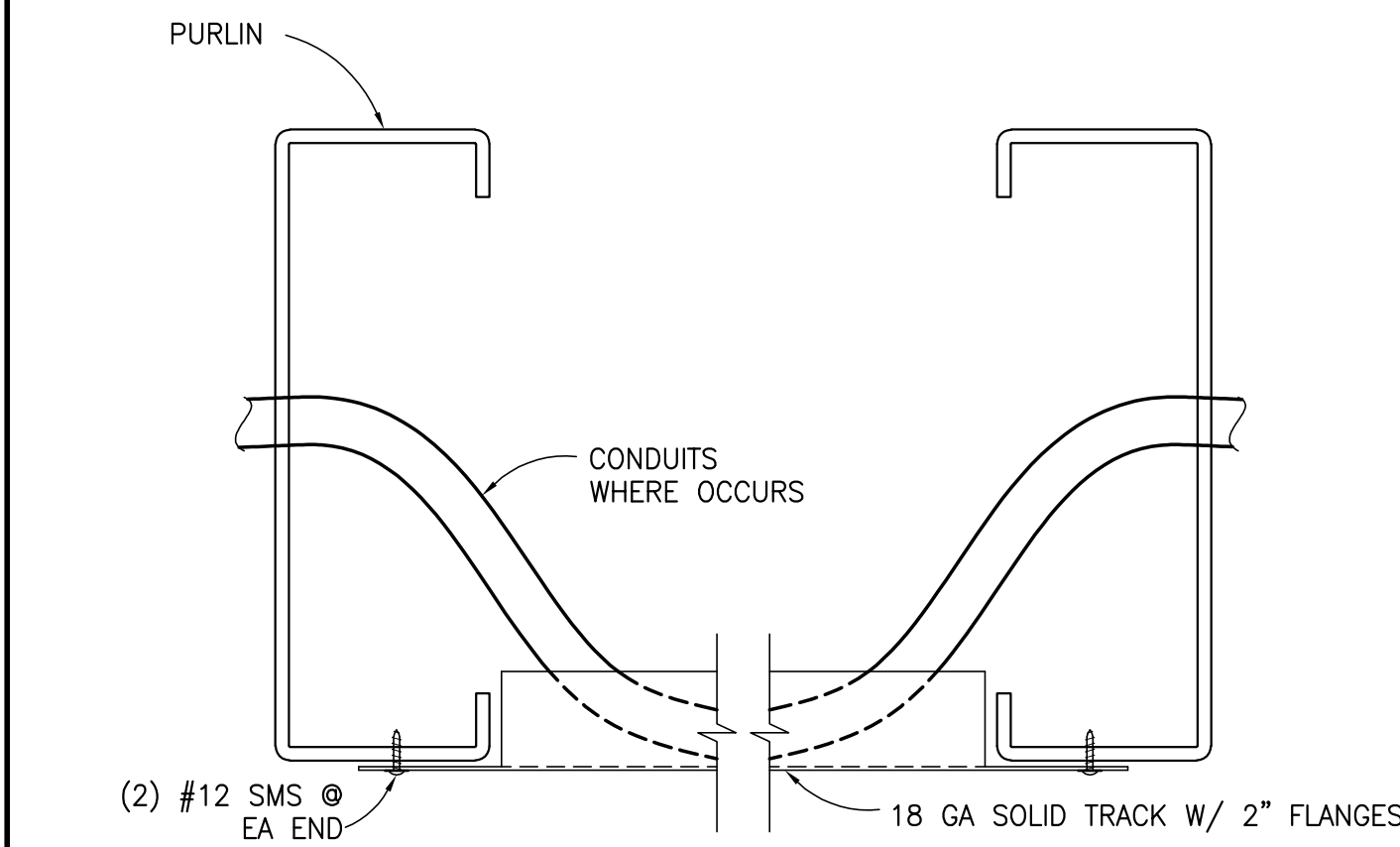


13 TYPICAL WALL EQUIPMENT ANCHORAGE
SCALE: 1"=1'-0"



- NOTES:
- REMOVABLE POST BARRICADE SHALL NOT BE CONCRETE FILLED.
 - HAND TIGHTEN BOLT & NUT USING WASHERS EACH SIDE OF STRAPS. CUT BOLT APPROX. 1/8" FROM FACE OF NUT & PEEN EXPOSED END OF BOLT.
 - REFER TO 19/- FOR ITEMS NOT NOTED.

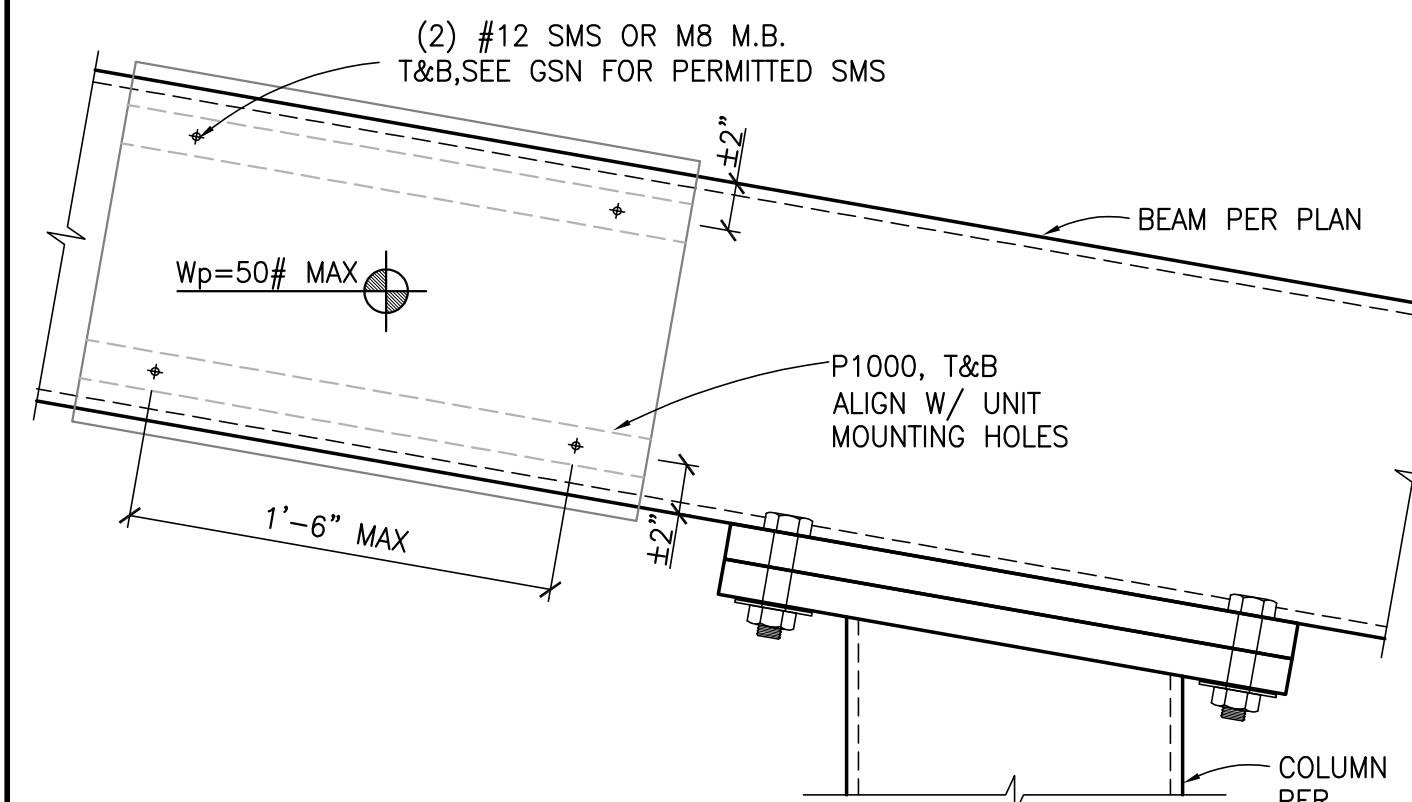
18 REMOVABLE POST BARRICADE
SCALE: N.T.S.



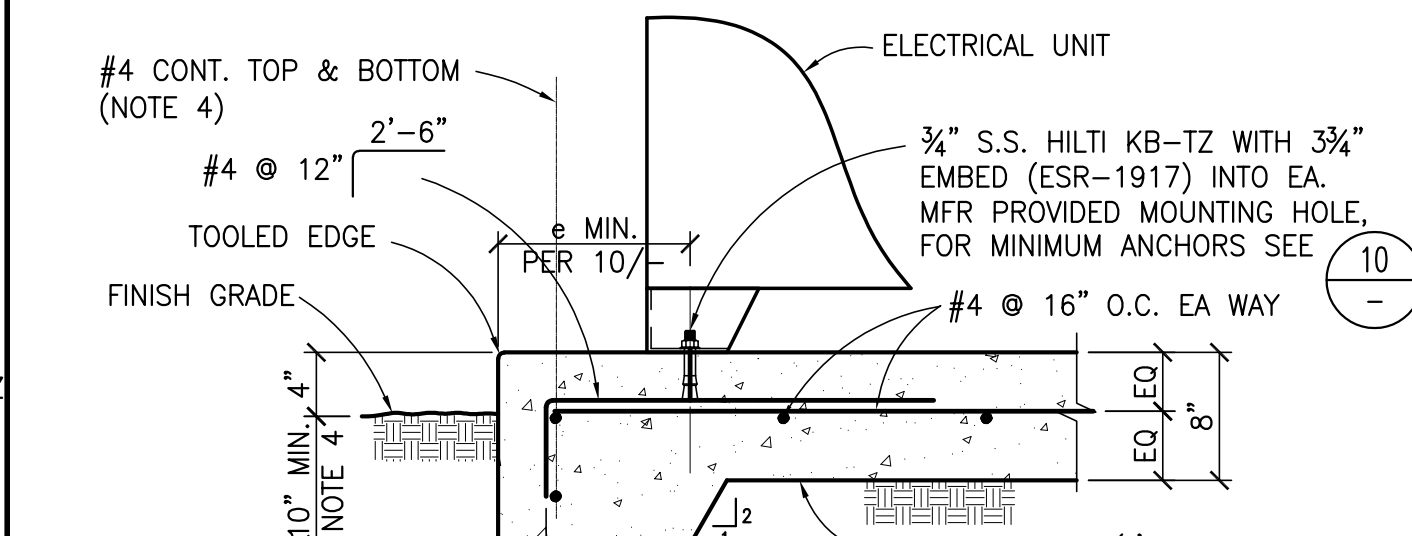
4 OPTIONAL CONDUIT SUPPORT
No Scale

NOTES:

- ONLY (1) UNIT PER BEAM IS ALLOWED.
- CENTER OF GRAVITY OF UNIT TO BE LOCATED WITHIN 3 FT OF CENTERLINE OF COLUMN.
- MOUNTING BOLTS FROM EQUIPMENT TO STRUT NOT SHOWN FOR CLARITY.
- UNIT IS PERMITTED TO BE HORIZONTALLY INSTALLED INSTEAD OF ALIGNING IT WITH THE BEAM ANGLE.

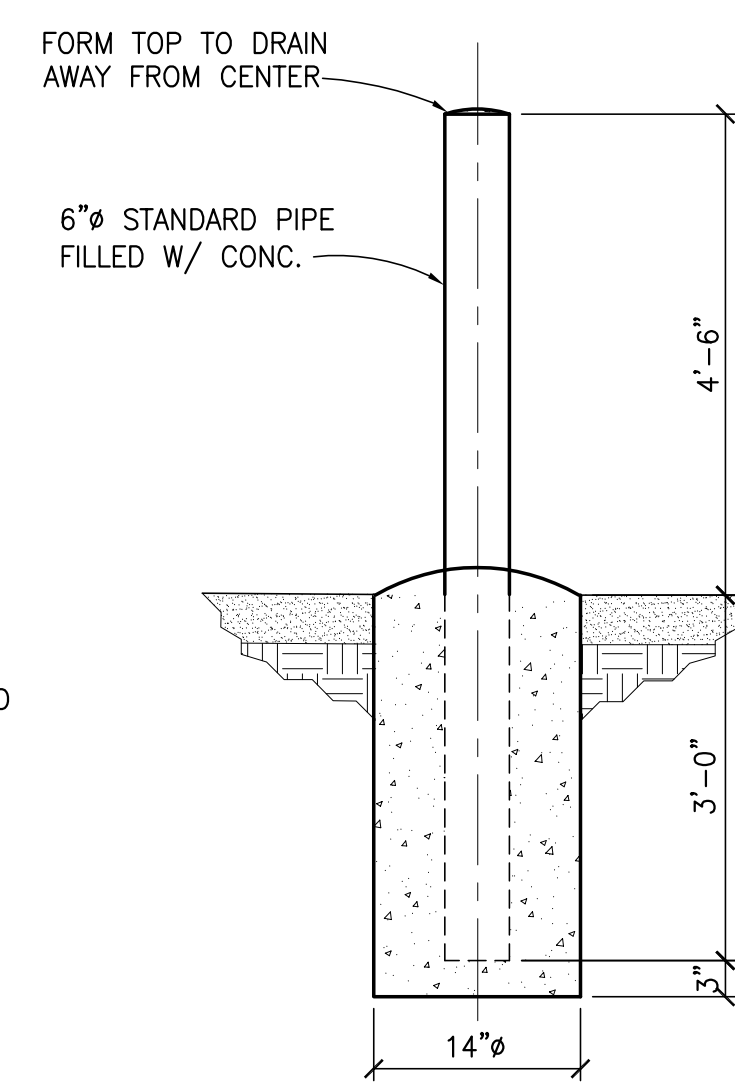


9 EQUIPMENT MOUNTING TO BEAM
SCALE: 1 1/2"=1'-0"



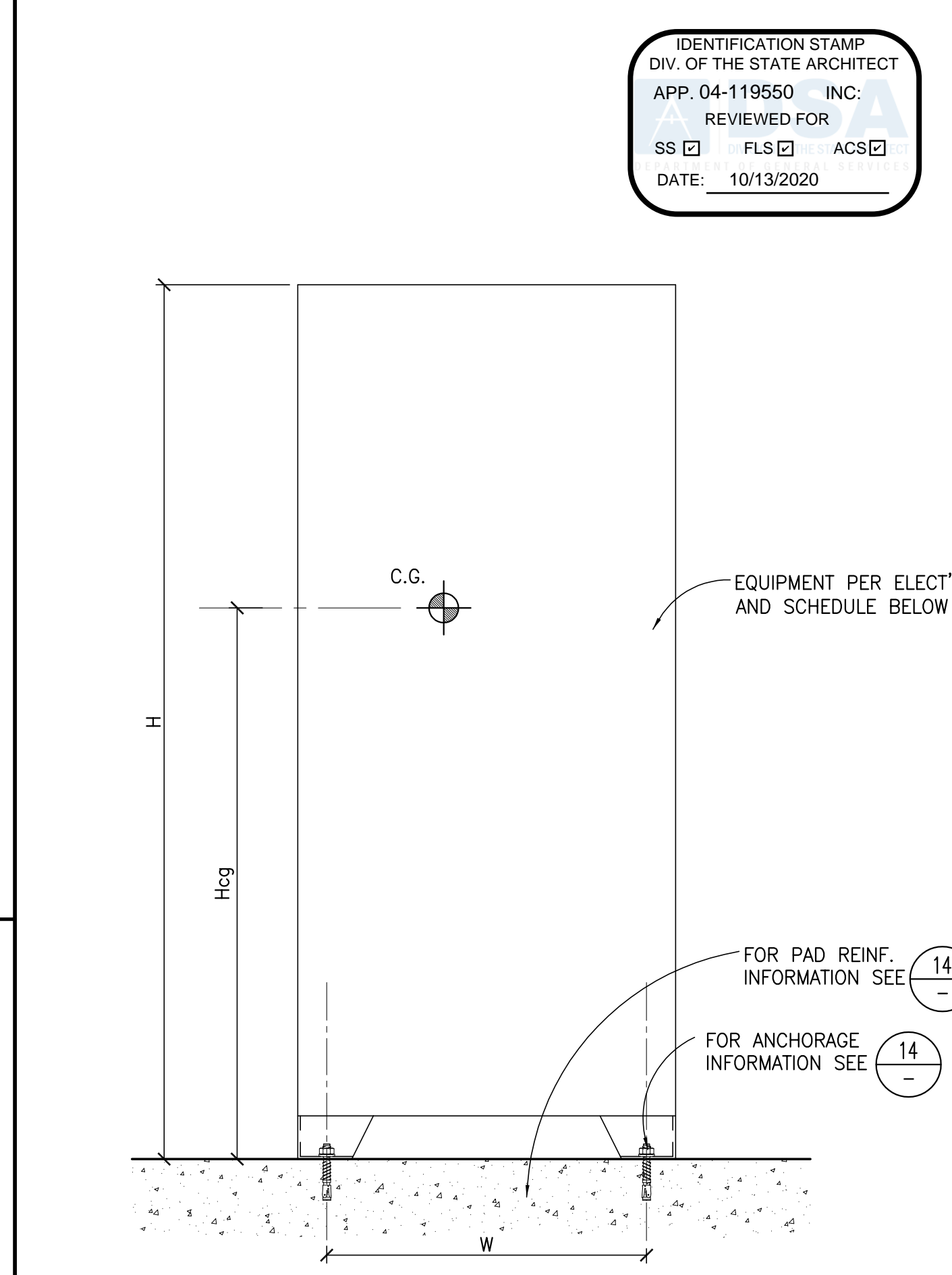
- NOTES:
- EXPANSION ANCHORS: THE SUPPLIED ANCHOR DIAMETER SHALL BE NOT LESS THAN 1/8" OF THE MANUFACTURER SUPPLIED ATTACHMENT BOLT HOLE DIAMETER. THE SPECIFIED ANCHOR AND EMBEDMENT ARE MINIMUM PARAMETERS ONLY. ALL EXPANSION ANCHORS EXPOSED TO WEATHER SHALL BE AISI 304/316 SS.
 - ANCHORS SHALL BE INSTALLED IN HOLES PREPUNCHED BY EQUIPMENT MANUFACTURER.
 - PAD SHALL BEAR ON MIN 4" OF COMPACTED FILL.
 - FOR SITES WITH A FROST DEPTH GREATER THAN 10" THE THICKENED EDGE SHALL BE EXTENDED TO BEAR ON SOIL BELOW THIS DEPTH. THE THICKENED EDGE SHALL BE REINFORCED BY CONT. #4 LONGITUDINAL BARS AT 12" O.C.

14 TYPICAL EQUIPMENT DETAIL
SCALE: 1"=1'-0"



- NOTES:
- POST BARRICADES SHALL BE HOT DIPPED GALVANIZED.
 - SEE 18/- FOR ALTERNATE REMOVABLE BARRICADE.

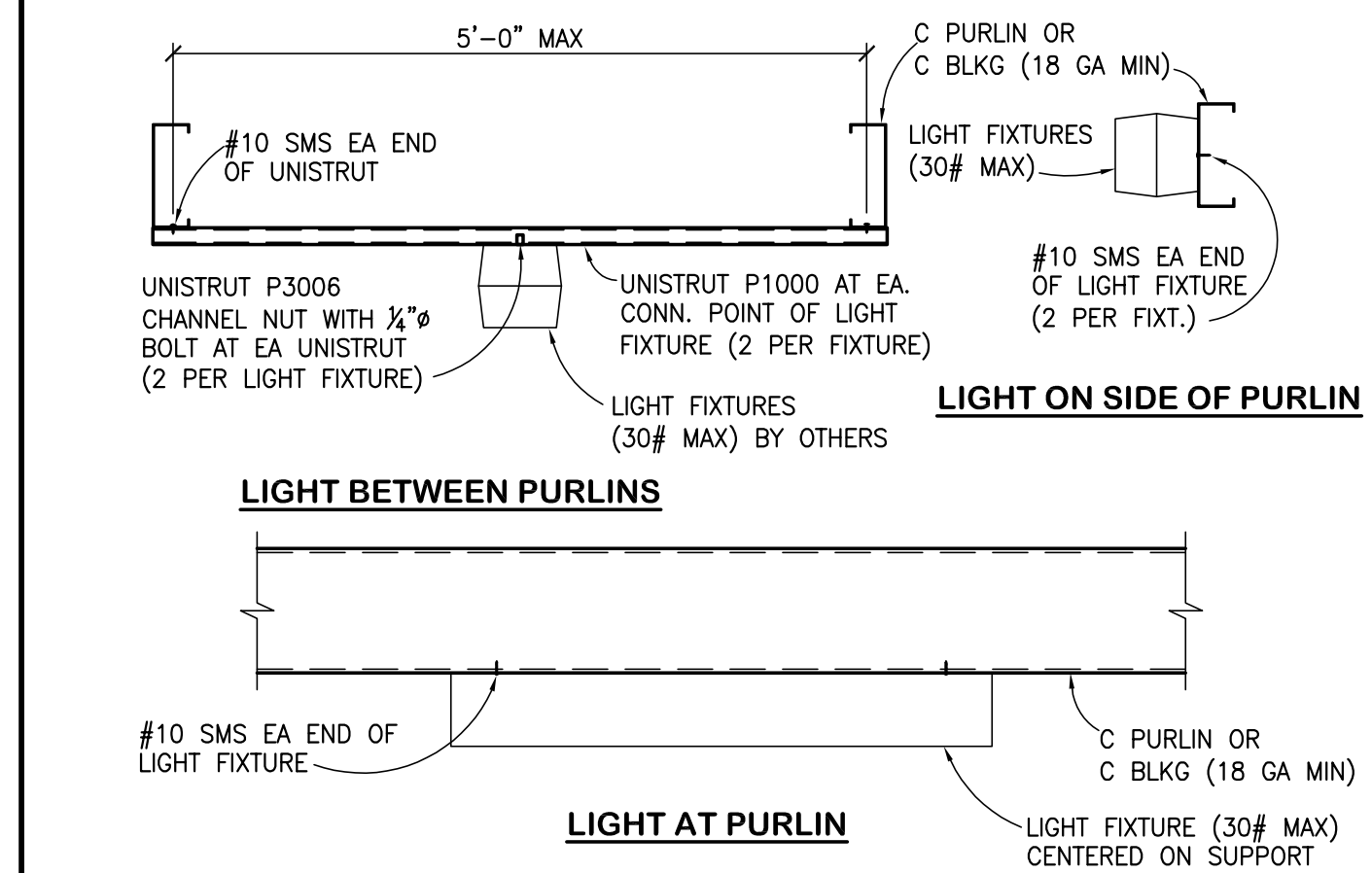
19 CONCRETE POST BARRICADE
SCALE: N.T.S.



EQUIPMENT DESCRIPTION	MAX WT (lb.)	H (MAX) (in)	Hcg (MAX) (in)	W (MIN) (in)	LOCATION	MIN # OF ANCHORS	e (MIN) (in)
TRANSFORMER	10,000	70"	35"	42"	ON GRADE	8	12"
SWITCHBOARD	2,000	90"	60"	24"	ON GRADE	4	6"

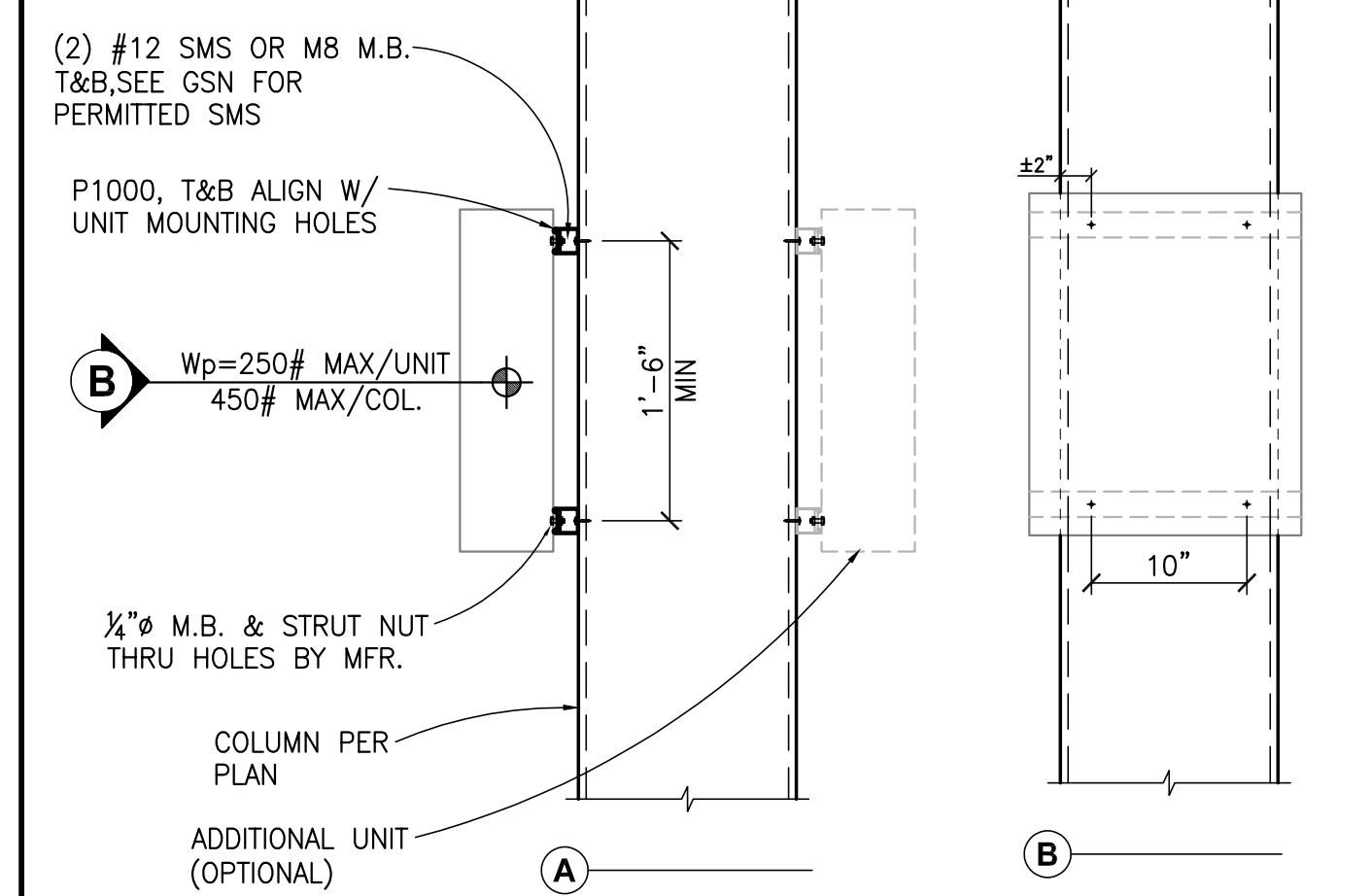
NOTE:
SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

10 TYPICAL EQUIPMENT ANCHORAGE DETAIL
SCALE: 1"=1'-0"



15 OPTIONAL LIGHT DETAIL
SCALE: 3/4"=1'-0"

NOTE: IF HSS SECTION THICKNESS EXCEEDS 1/2" USE 3/8" A307 IN LIEU OF THE #12 SMS. TAP THREADS INTO TUBE WALL.



20 OPTIONAL EQUIPMENT MOUNTING DETAIL
SCALE: 1"=1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-119550 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 10/13/2020

SUNPOWER™
14114 Harbour Way South
Richmond, CA 94804 USA
(510) 540-0550

kpff

3131 Camino Del Rio North, Suite 1080
San Diego, California 92108
(619) 521-8500 Fax (619) 521-8591
www.kpff.com kpff project #1800207

SUNPOWER / KPFF
DSA - PC PV STRUCTURE SYSTEM

MISCELLANEOUS DETAILS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-118384 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 05.29.19

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

Professional Engineer
Structural
State of California
05/28/2019

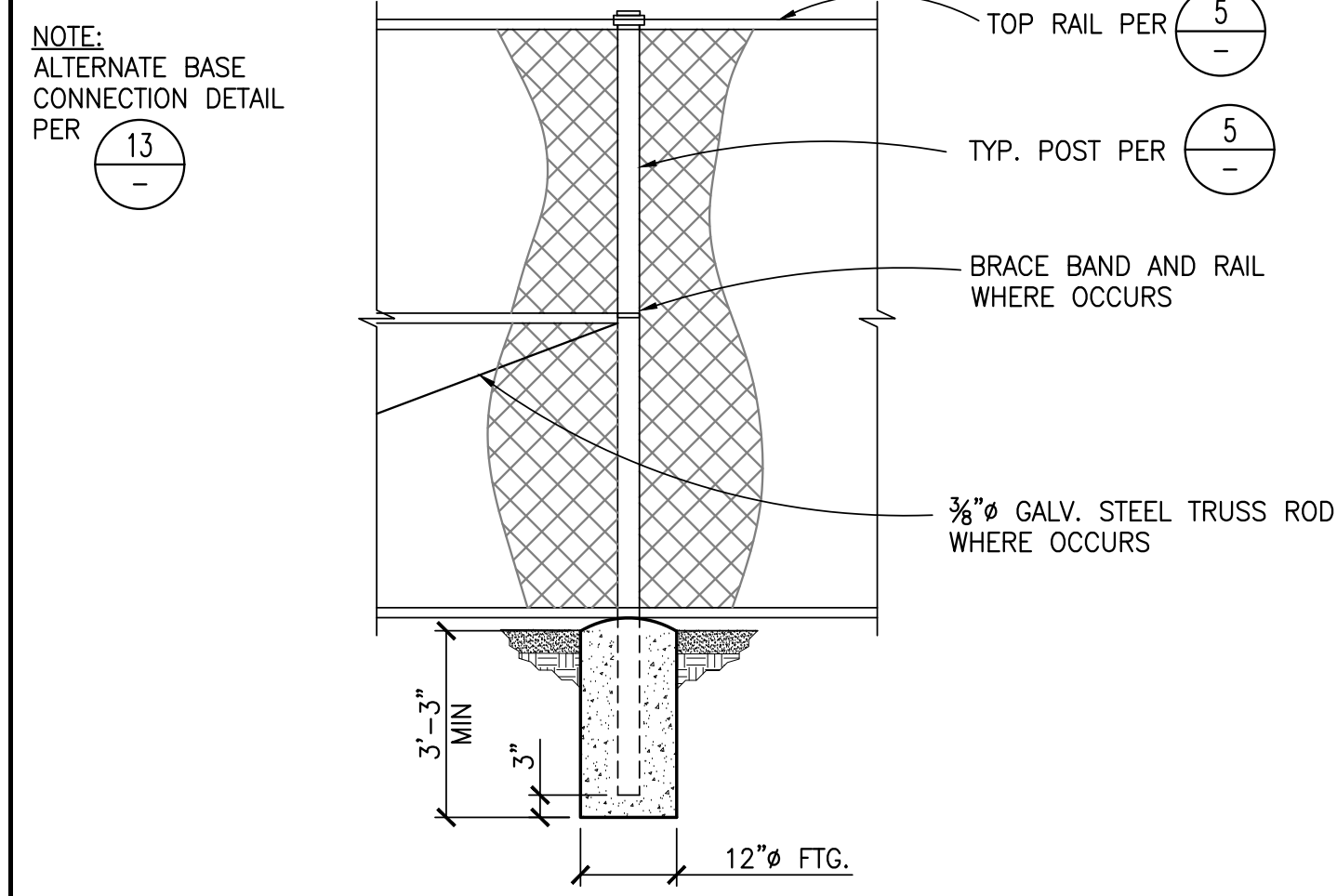
No.	Date	DB	CS
1	7/11/2022		

OPPORTUNITY 1571185
PROJECT 1800207
DATE 06/29/2018
DRAWN BY LQ/SW

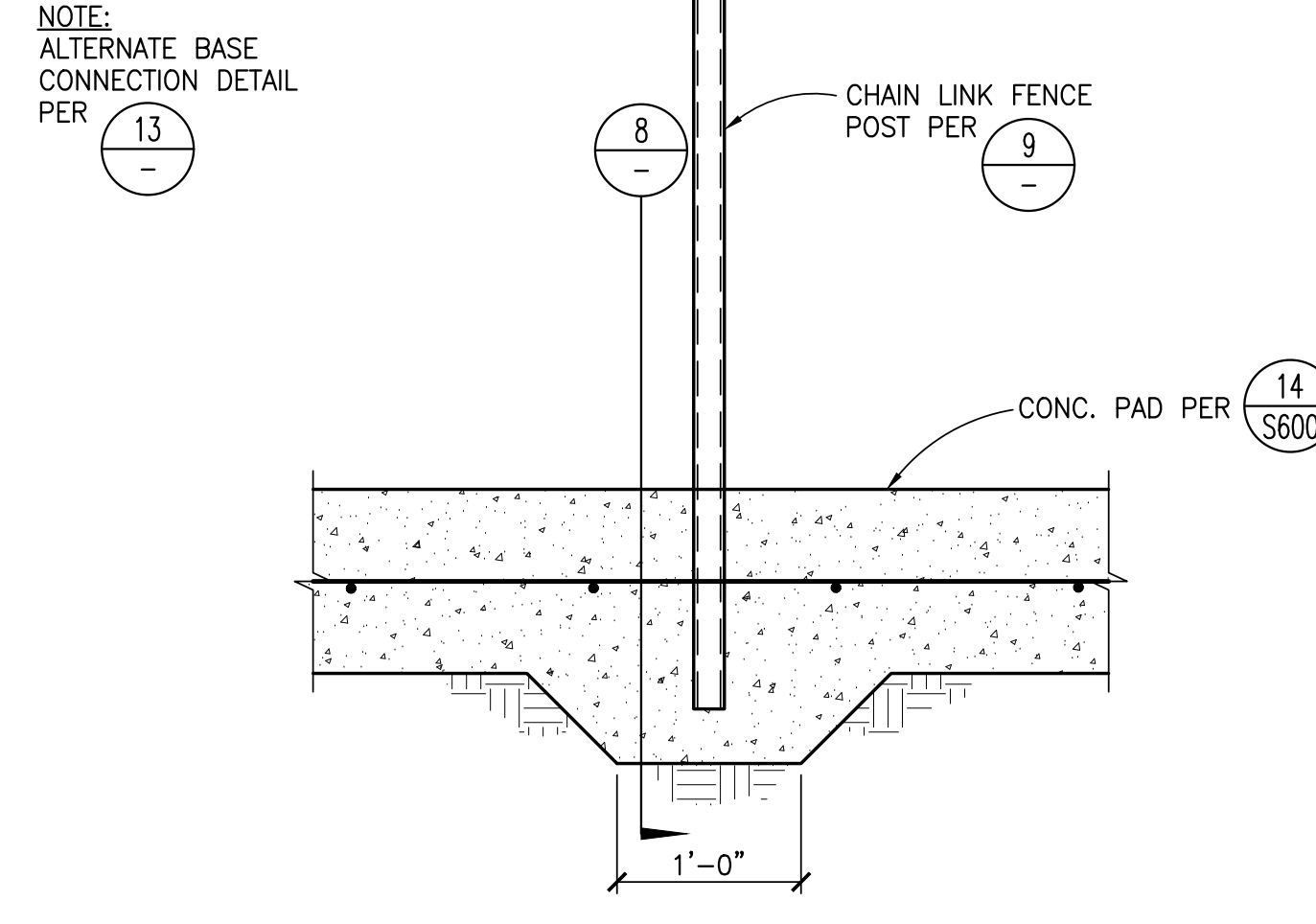
0" 1" 2"
ORIGINAL SHEET SIZE 36 x 42
IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

SHEET **S600**
COPYRIGHT 2018 © SUNPOWER.COM

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 04-119550 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 10/13/2020



3 TYPICAL CHAIN LINK FENCE POST
 SCALE: 1/2"=1'-0"



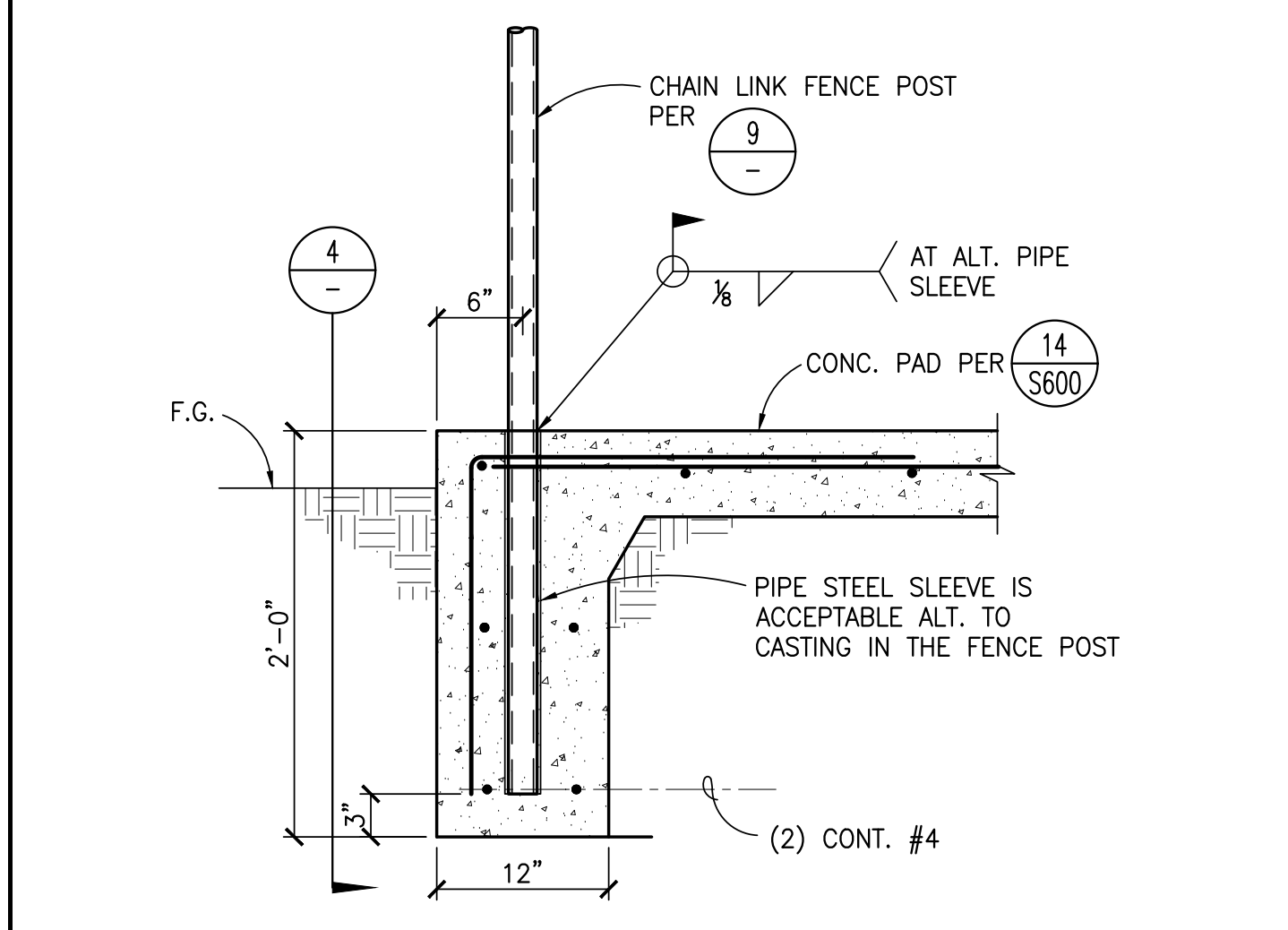
4 ALTERNATE CHAIN LINK FENCE POST ATTACHMENT
 SCALE: 1"=1'-0"

FENCES			
MAX HEIGHT	END POSTS CORNER POSTS PULL POSTS	TYP. POSTS	TOP RAILS BRACE RAILS POST BRACES
6'-0"	2.375" O.D.	1.90" O.D.	1.66" O.D.
8'-0"	2.875" O.D.	2.375" O.D.	1.66" O.D.

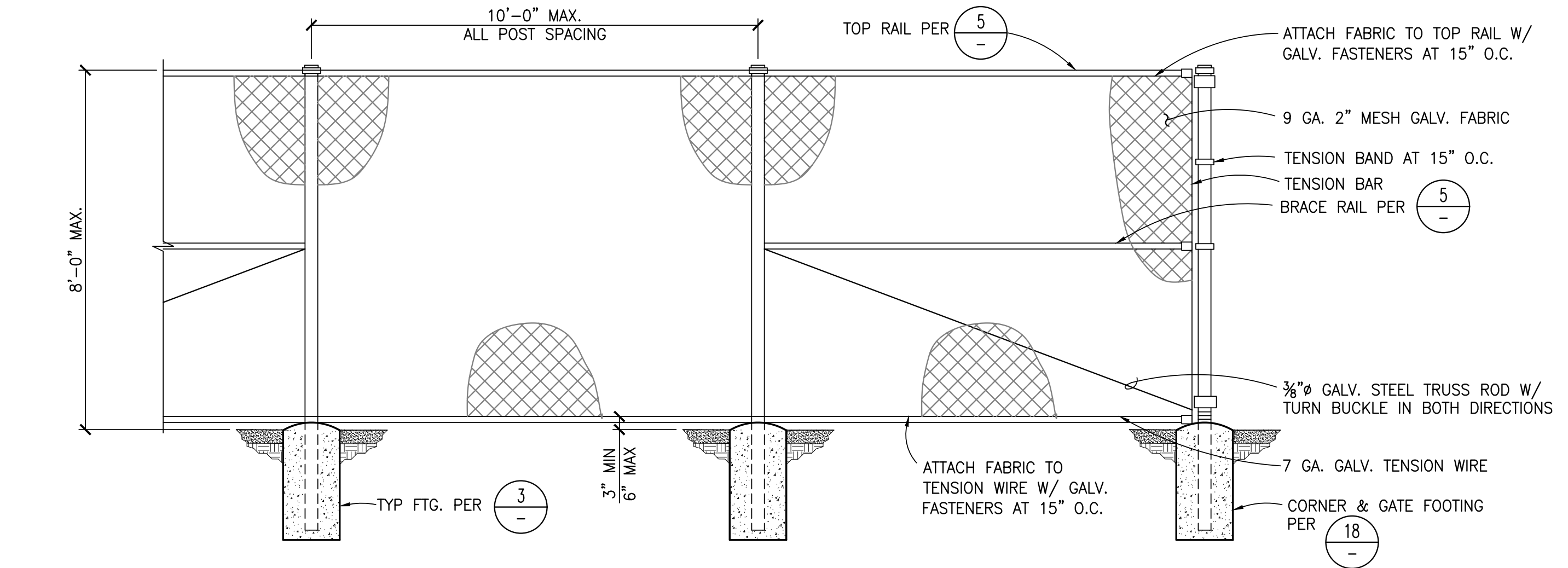
GATES		
MAX LEAF WIDTH	GATE POSTS	FRAME MEMBERS
6'	2.875" O.D.	1.66" O.D.

- NOTES:
 1. POST AND FENCE PIPE SIZES ARE FENCE INDUSTRY STANDARD (MIN SCH. 40)
 2. ALL PIPES SHALL BE GALVANIZED (HOT-DIP ASTM A120 GRADE "A" STEEL)
 3. CROSS BRACE ALL POSTS EXCEPT INTERMEDIATES.

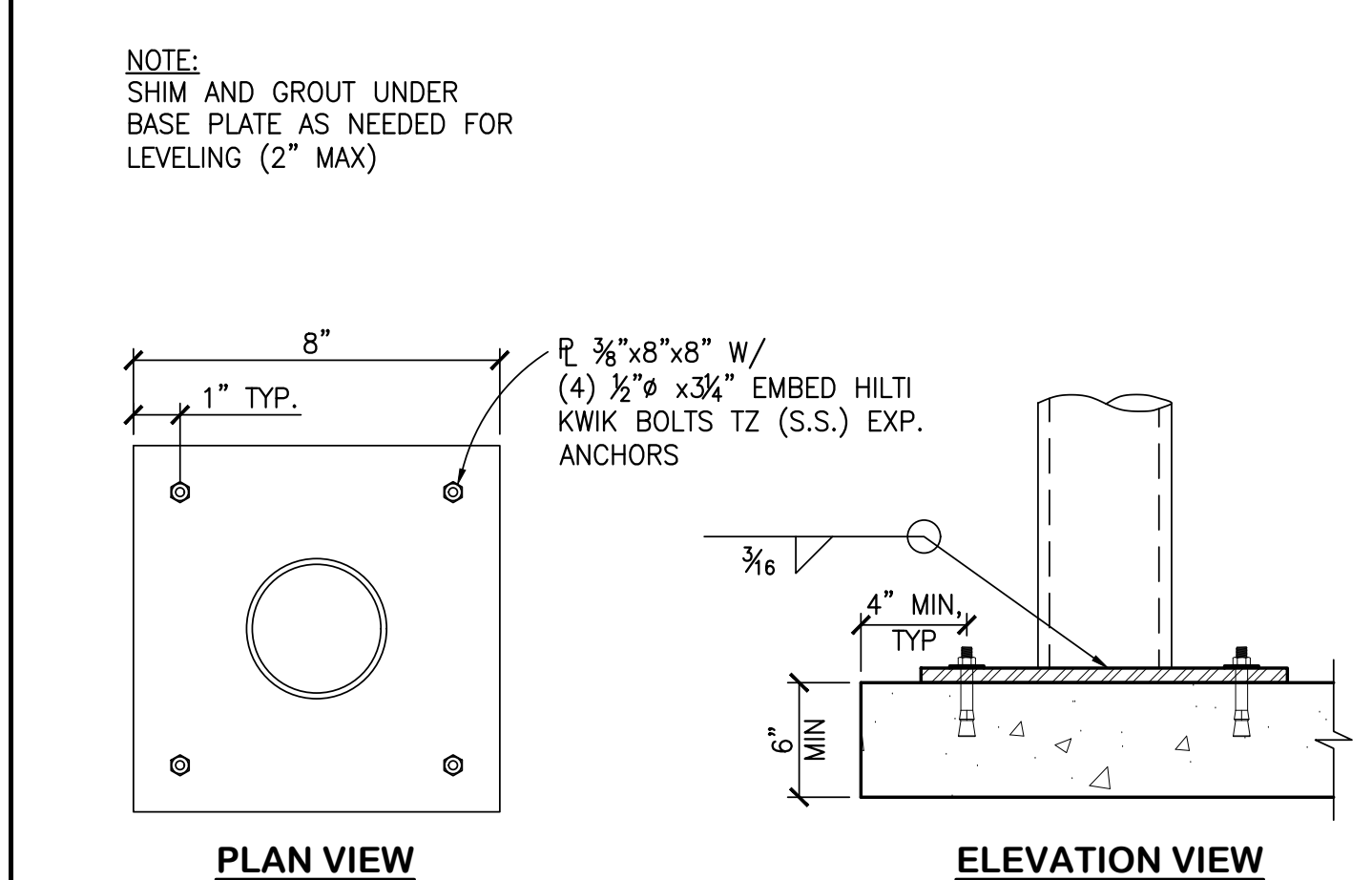
5 CHAIN LINK MEMBER SCHEDULE
 SCALE: 1/2"=1'-0"



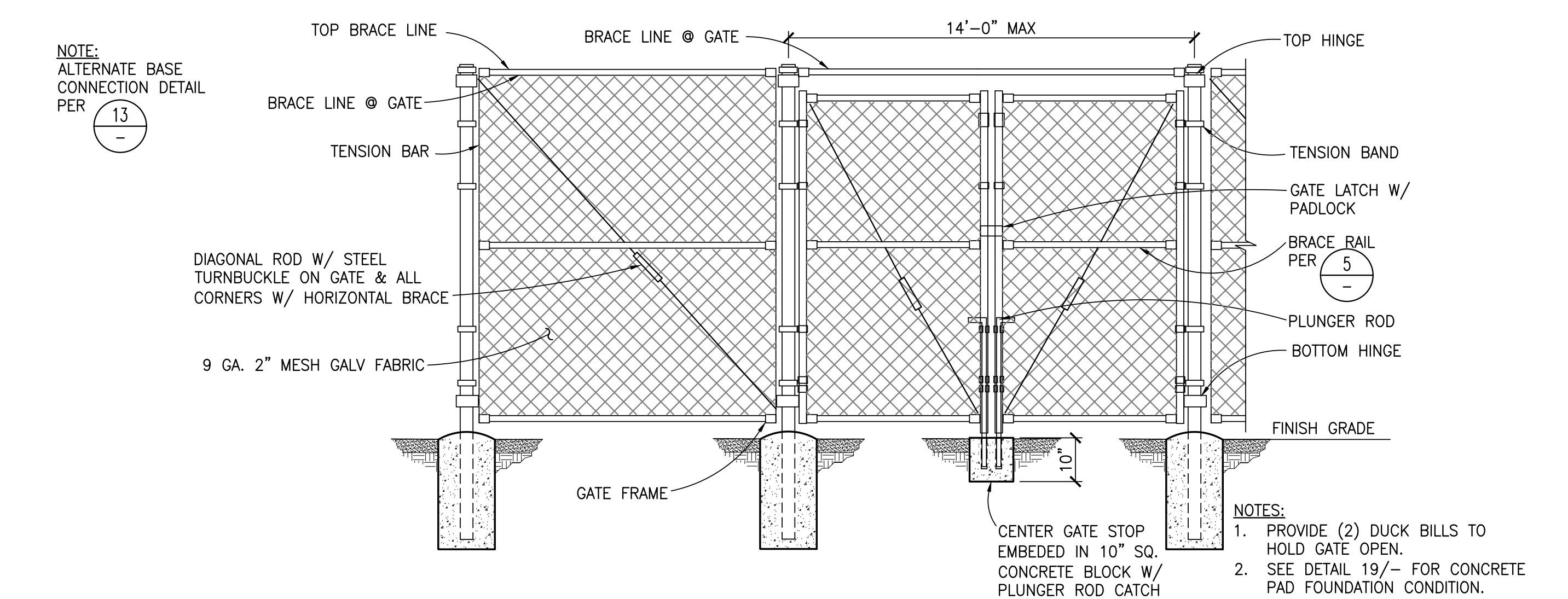
8 ALTERNATE CHAIN LINK FENCE POST ATTACHMENT
 SCALE: 1"=1'-0"



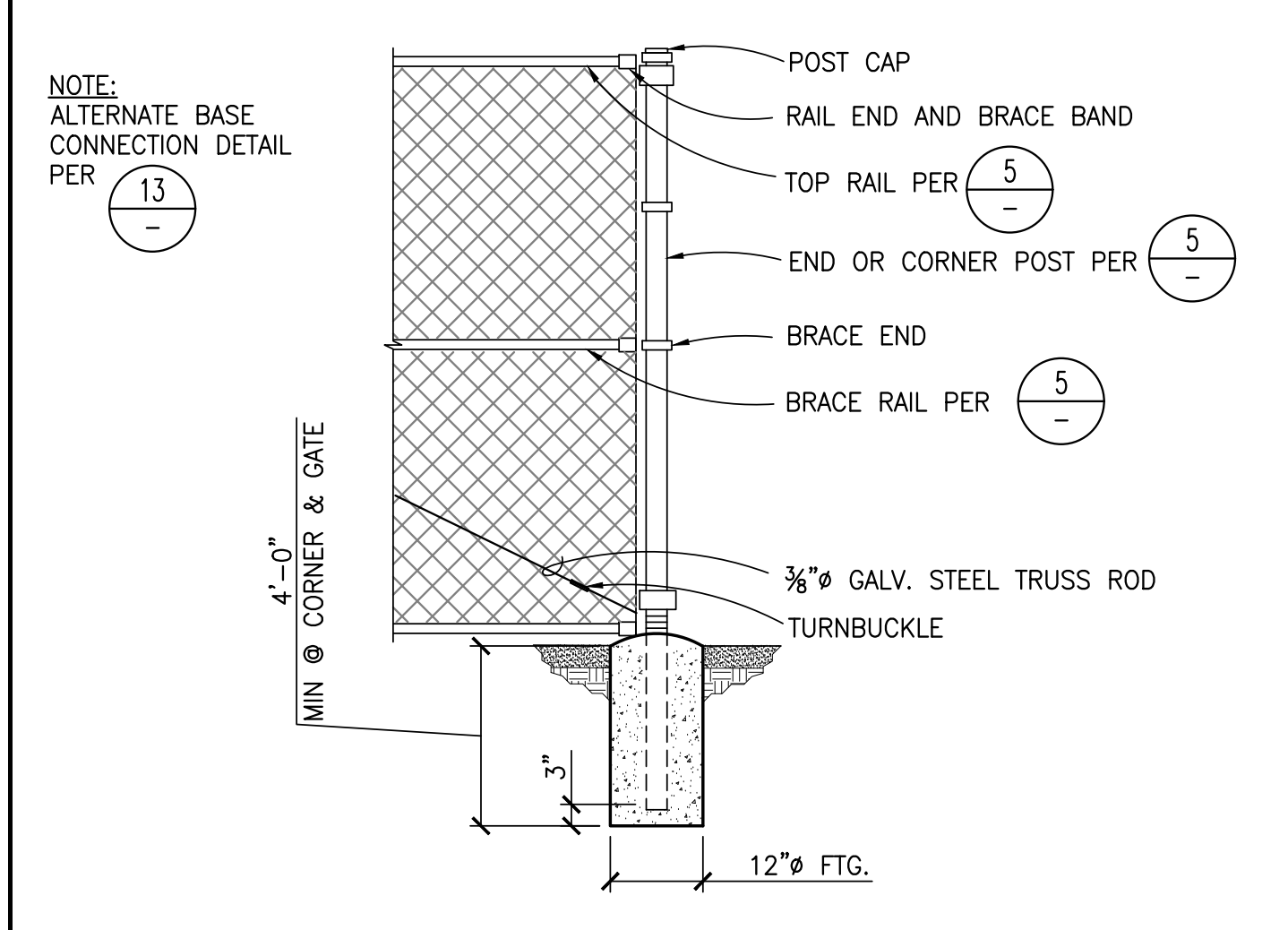
9 TYPICAL CHAIN LINK
 SCALE: 1/2"=1'-0"



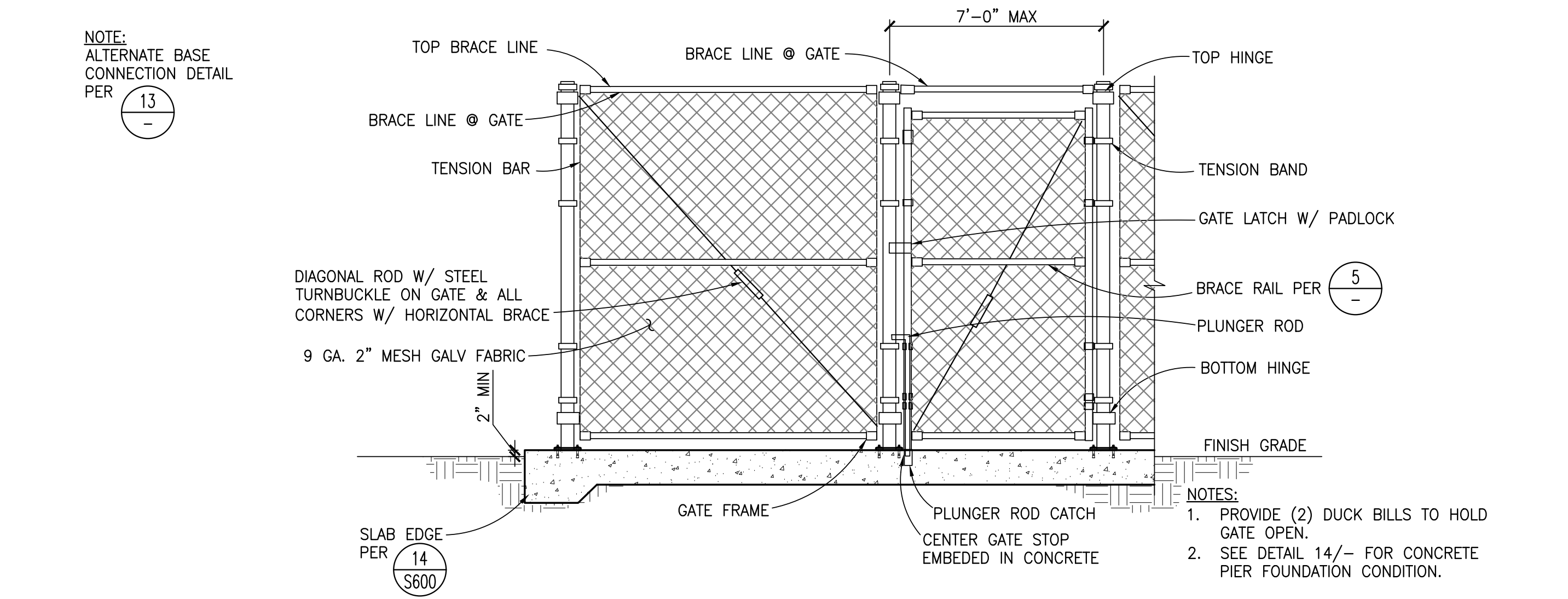
13 ALTERNATE BASE CONNECTION DETAIL
 SCALE: 3"=1'-0"



14 TYPICAL CHAIN LINK DETAIL AT DOUBLE GATE
 SCALE: 1/2"=1'-0"



18 TYPICAL CHAIN LINK FENCE POST AT CORNER
 SCALE: 1/2"=1'-0"



19 TYPICAL CHAIN LINK DETAIL AT GATE
 SCALE: 1/2"=1'-0"

SUNPOWER™
 1414 Harbour Way South
 Richmond, CA 94804 USA
 (510) 540-0550

kpff

3131 Camino Del Rio North, Suite 1080
 San Diego, California 92108
 (619) 521-8500 Fax (619) 521-8591
 www.kpff.com kpff project #1800207

SUNPOWER / KPFF
 DSA - PC PV STRUCTURE SYSTEM
 FENCE DETAILS

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 04-118384 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 05.29.19

PRE-CHECK (PC) DOCUMENT
 CODE: 2016 CBC
 A SEPARATE PROJECT APPLICATION FOR
 CONSTRUCTION IS REQUIRED.

Professional Engineer
 State of California
 Exp. 6/30/20
 05/28/2019

NO.	REVISION SCHEDULE	DATE	DB	CR
1	Design No. - Description	7/11/2022		
	RECORD DRAWING SET			

OPPORTUNITY 1571185
 PROJECT 1800207
 DATE 06/29/2018
 DRAWN BY LQ/SW

0" 1" 2"
 ORIGINAL SHEET SIZE 36 x 48
 IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE

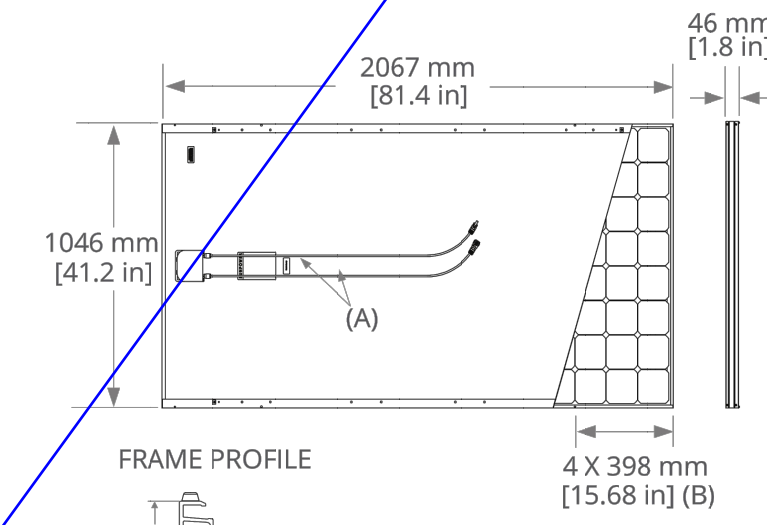
SHEET **S601**
 COPYRIGHT 2018 © SUNPOWER CORP

X-Series: X21-470-COM SunPower® Commercial DC Panel

Electrical Data		
	SPR-X21-470-COM	SPR-X21-460-COM
Nominal Power (P _{nom}) ¹	470 W	460 W
Power Tolerance	+5/0%	+5/0%
Panel Efficiency	21.7%	21.3%
Rated Voltage (V _{mpp})	77.6 V	77.3 V
Rated Current (I _{mpp})	6.06 A	5.95 A
Open-Circuit Voltage (V _{oc})	91.5 V	90.5 V
Short-Circuit Current (I _{sc})	6.45 A	6.39 A
Max. System Voltage	1000 V UL & 1000 V IEC	
Maximum Series Fuse	15 A	
Power Temp. Coef.	-0.29%/°C	
Voltage Temp. Coef.	+23.2 mV/°C	
Current Temp. Coef.	2.9 mA/°C	

Operating Condition And Mechanical Data	
Temperature	-40° F to +185° F (-40° C to +85° C)
Impact Resistance	1 inch (25 mm) diameter hail at 52 mph (23 m/s)
Appearance	Class A
Solar Cells	128 Monocrystalline Maxeon Gen II
Tempered Glass	High-transmission tempered anti-reflective
Junction Box	IP-65, 1230 mm cables / MC4 Compatible
Weight	56 lbs (25.4 kg)
Max. Load	Wind: 50 psf, 2400 Pa, 24 kg/m ² front & back Snow: 11.2 psf, 5400 Pa, 550 kg/m ² front
Frame	Class 2 silver anodized; stacking pins

Tests And Certifications	
Standard Tests ⁸	UL 1703 (Type 2 Fire Rating), IEC 61215, IEC 61730
Quality Management Certs	ISO 9001:2015, ISO 14001:2015
EHS Compliance	RoHS, OHSAS 18001:2007, lead free, Recycle Scheme, REACH SVHC-163
Sustainability	Cradle to Cradle Certified™ Silver, "Declare." listed
Ammonia Test	IEC 62716
Desert Test	10.1109/PVSC.2013.6744437
Salt Spray Test	IEC 61701 (maximum severity)
PID Test	1000 V; IEC 62804, PVEL 600 hr duration
Available Listings	UL, TUV, MCS, FSEC, CEC



- (A) Cable Length: 1230 mm +/-10 mm
- (B) Stacking Pins
- (C) Long Side: 32 mm (1.3 in)
- (D) Short Side: 22 mm (0.9 in)

Please read the safety and installation guide.

¹ SunPower 360 W compared to a Conventional Panel on same-sized arrays (260 W, 16% efficient, approx. 1.6 m², 4% more energy per watt based on P₅₀ per file), 0.75%/yr slower degradation (Campeau, Z, et al. "SunPower Module Degradation Rate," SunPower white paper, 2013).
² Based on search of datasheet values from websites of top 10 manufacturers per IHS, as of January 2017.
³ #1 rank in Fraunhofer IFF Durability Initiative for Solar Modules; Part 3: PV/Tech Power Magazine, 2015; Campeau, Z, et al. "SunPower Module Degradation Rate," SunPower white paper, 2013.
⁴ SunPower is rated #1 on Silicon Valley Toxics Coalition's Solar Scorecard.
⁵ Cradle to Cradle Certified is a multi-attribute certification program that assesses products and materials for safety to human and environmental health, design for future use cycles, and sustainable manufacturing.
⁶ X-Series and E-Series panels additionally contribute to LEED Materials and Resources credit categories.
⁷ Standard Test Conditions (1000 W/m² irradiance, AM 1.5, 25° C, NREL calibration standard, SOMS current, LACCS PF and Voltage.
⁸ Type 2 fire rating per UL 1703:2013, Class C fire rating per UL 1703:2002.

See www.sunpower.com/company for more reference information.
 For more details, see extended datasheet: www.sunpower.com/solar-resources. Specifications included in this datasheet are subject to change without notice.
 ©2018 SunPower Corporation. All rights reserved. SUNPOWER, the SUNPOWER logo and MAXEON are trademarks or registered trademarks of SunPower Corporation. Specifications included in this datasheet are subject to change without notice.

1-800-SUNPOWER 527837 Rev B / LTR_US
 sunpower.com

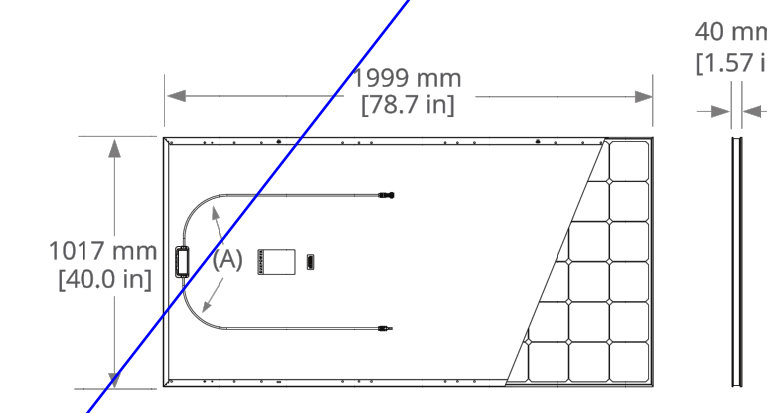
X X-SERIES PANEL CUTSHEET
 SCALE: N.T.S.

A-Series: SPR-A440-COM SunPower® Commercial DC Panel – PRELIMINARY DATASHEET

Electrical Data	
	SPR-A440-COM
Nominal Power (P _{nom}) ¹	440 W
Power Tolerance	+5/0%
Panel Efficiency	21.7%
Rated Voltage (V _{mpp})	43.4 V
Rated Current (I _{mpp})	10.2 A
Open-Circuit Voltage (V _{oc})	51.6 V
Short-Circuit Current (I _{sc})	10.9 A
Max. System Voltage	1500 V UL & 1500 V IEC
Maximum Series Fuse	20 A
Power Temp. Coef.	-0.26%/°C
Voltage Temp. Coef.	+136 mV/°C
Current Temp. Coef.	5.7 mA/°C

Operating Condition And Mechanical Data	
Temperature	-40° F to +185° F (-40° C to +85° C)
Impact Resistance	1 inch (25 mm) diameter hail at 52 mph (23 m/s)
Appearance	Class A
Solar Cells	72 Monocrystalline IBC cells
Tempered Glass	High-transmission tempered anti-reflective
Junction Box	IP-68, MC4 Compatible
Weight	40.5 lbs (18.4 kg)
Max. Load	Wind: 50 psf, 2400 Pa, 244 kg/m ² front & back Snow: 11.2 psf, 5400 Pa, 550 kg/m ² front
Frame	Class 2 silver anodized

Tests And Certifications - Preliminary	
Standard Tests	UL 1703 (Type 2 Fire Rating), IEC 61215, IEC 61730
Quality Management Certs	ISO 9001:2015, ISO 14001:2015
EHS Compliance	RoHS, OHSAS 18001:2007, lead free, Recycle Scheme, REACH SVHC-163
Sustainability	Cradle to Cradle Certified™ Silver, "Declare." listed
Ammonia Test	IEC 62716
Desert Test	10.1109/PVSC.2013.6744437
Salt Spray Test	IEC 61701 (maximum severity)
PID Test	1500 V; IEC 62804, PVEL 600 hr duration
Available Listings	UL, TUV, FSEC, CEC



- (A) Cable Length: 1320 mm (52 in)
- (B) Long Side: 30 mm (1.2 in)
- (D) Short Side: 22 mm (0.9 in)

Please read the safety and installation guide.

©2018 SunPower Corporation. All rights reserved. SUNPOWER, the SUNPOWER logo and MAXEON are trademarks or registered trademarks of SunPower Corporation. Specifications included in this datasheet are subject to change without notice.

1-800-SUNPOWER 52XXXX Rev A / LTR_US
 sunpower.com

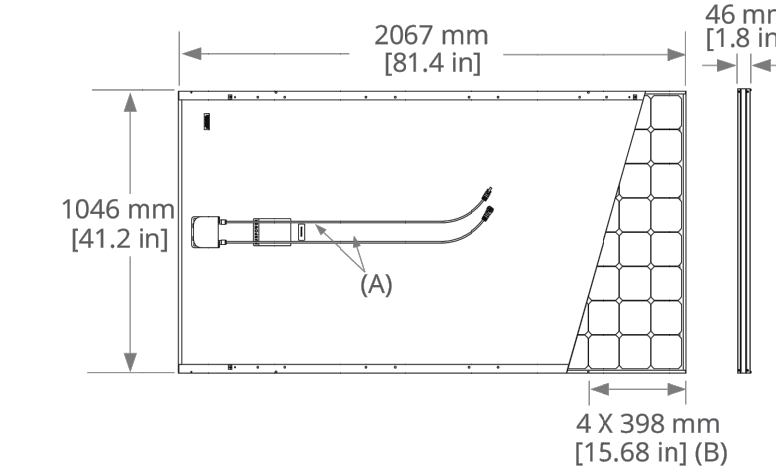
A A-SERIES PANEL CUTSHEET
 SCALE: N.T.S.

E-Series: E20-435-COM SunPower® Commercial DC Panel

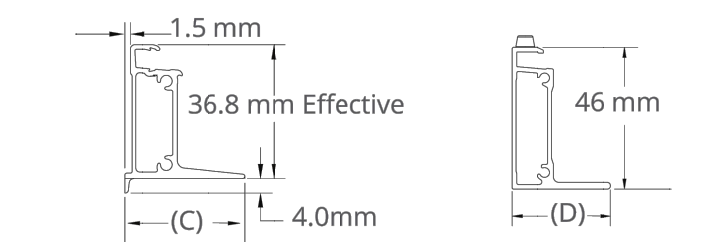
Electrical Data	
	SPR-E20-435-COM
Nominal Power (P _{nom}) ¹	435 W
Power Tolerance	+5/-3%
Panel Efficiency	20.1%
Rated Voltage (V _{mpp})	72.9 V
Rated Current (I _{mpp})	5.97 A
Open-Circuit Voltage (V _{oc})	85.6 V
Short-Circuit Current (I _{sc})	6.43 A
Max. System Voltage	1500 V UL & 1500 V IEC
Maximum Series Fuse	15 A
Power Temp. Coef.	-0.35%/°C
Voltage Temp. Coef.	+23.5 mV/°C
Current Temp. Coef.	2.6 mA/°C

Operating Condition And Mechanical Data	
Temperature	-40° F to +185° F (-40° C to +85° C)
Impact Resistance	1 inch (25 mm) diameter hail at 52 mph (23 m/s)
Appearance	Class A
Solar Cells	128 Monocrystalline Maxeon Gen II
Tempered Glass	High-transmission tempered anti-reflective
Junction Box	IP-65, 1230 mm cables / MC4 Compatible
Weight	56 lbs (25.4 kg)
Max. Load	G6 Frame: Wind: 50 psf, 2400 Pa front & back Snow: 50 psf, 2400 Pa front G4 Frame: Wind: 50 psf, 2400 Pa front & back Snow: 11.2 psf, 5400 Pa front
Frame	Class 2 silver anodized; stacking pins

Tests And Certifications	
Standard Tests ⁸	UL 1703 (Type 2 Fire Rating), IEC 61215, IEC 61730
Quality Management Certs	ISO 9001:2015, ISO 14001:2015
EHS Compliance	RoHS, OHSAS 18001:2007, lead free, Recycle Scheme, REACH SVHC-163
Sustainability	Cradle to Cradle Certified™ Silver, "Declare." listed
Ammonia Test	IEC 62716
Desert Test	10.1109/PVSC.2013.6744437
Salt Spray Test	IEC 61701 (maximum severity)
PID Test	1500 V; IEC 62804, PVEL 600 hr duration
Available Listings	UL, TUV, MCS, FSEC, CEC



- G6 FRAME PROFILE Optimized for Oasis 3
- G4 FRAME PROFILE



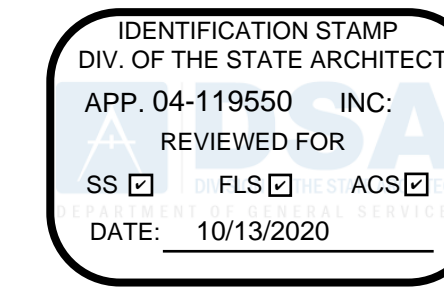
- (A) Cable Length: 1230 mm +/-10 mm
- (B) Stacking Pins
- (C) Long Side: 33 mm (1.3 in)
- (D) Short Side: 18.3 mm (0.7 in)
- (D) Long Side: 32 mm (1.3 in)
- (D) Short Side: 22 mm (0.9 in)

Please read the safety and installation guide.

See www.sunpower.com/company for more reference information.
 For more details, see extended datasheet: www.sunpower.com/solar-resources. Specifications included in this datasheet are subject to change without notice.
 ©2018 SunPower Corporation. All rights reserved. SUNPOWER, the SUNPOWER logo and MAXEON are trademarks or registered trademarks of SunPower Corporation. Specifications included in this datasheet are subject to change without notice.

1-800-SUNPOWER 527989 Rev A / LTR_US
 sunpower.com

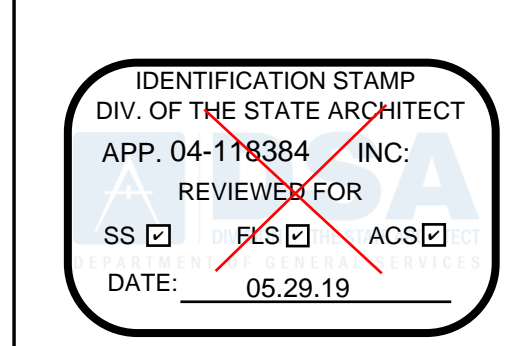
E E-SERIES PANEL CUTSHEET
 SCALE: N.T.S.



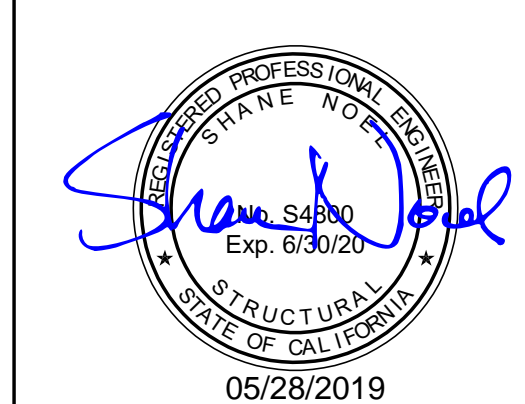
SUNPOWER™
 1414 Harbour Way South
 Richmond, CA 94804 USA
 (510) 540-0550

kpff
 3131 Camino Del Rio North, Suite 1080
 San Diego, California 92108
 (619) 521-8500 Fax (619) 521-8591
 www.kpff.com kpff project #1800207

SUNPOWER / KPFF
 DSA - PC PV STRUCTURE SYSTEM
 PANELS CUTSHEETS



PRE-CHECK (PC) DOCUMENT
 CODE: 2016 CBC
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



NO.	REVISION SCHEDULE	Date	DB	CR
1	Design No. - Description RECORD DRAWING SET	7/11/2022		

OPPORTUNITY 1571185
 PROJECT 1800207
 DATE 06/28/2018
 DRAWN BY LQ/SW

0" 1" 2"
 ORIGINAL SHEET SIZE IS 36 x 48
 IF BAR IS NOT TO SCALE - DRAWING IS NOT TO SCALE
 SHEET **S602**
 COPYRIGHT 2018 © SUNPOWER CORP