

**NET ENERGY METERING INTERCONNECTION AGREEMENT
FOR RENEWABLE ELECTRICAL GENERATION FACILITIES
(STANDARD CONTRACT—NEM)**

This Net Energy Metering Interconnection Agreement for Renewable Electrical Generation Facilities ("Agreement") is made and entered into by and between California Air Resources Board ("Customer"), whose mailing address is 4001 Iowa Avenue, Riverside, CA 92507 and the City of Riverside, a California charter city and municipal corporation acting by and through its Department of Public Utilities ("Riverside"), sometimes also referred to herein jointly as "Parties" or individually as "Party."

1. APPLICABILITY

This Agreement is applicable only to customers who satisfy all requirements of the definition of an Eligible Customer-Generator as set forth in Section 2827(b)(4) of the California Public Utilities Code on the effective date of this Agreement. Customer represents that Customer is an Eligible Customer-Generator.

2. DESCRIPTION OF CUSTOMER'S RENEWABLE ELECTRICAL GENERATION FACILITY

2.1 Customer elects to interconnect and operate a renewable electrical generation facility with a capacity of not more than 3,750 kW, that is located on Customer's owned, leased or rented premises within Riverside's service area ("Generating Facility") in parallel with Riverside's electric grid. However, if after the date of agreement execution, Customer expands its electrical generation facility and seeks to generate more energy than the 3,750 kW capacity set forth herein, Riverside agrees to amend this agreement to allow capacity of not more than 5,000 kW. Customer represents that the Generating Facility is intended primarily to offset part or all of the Customer's own electrical requirements at the premises listed in Subsection 2.4 herein.

2.2 Customer Account Number: 22-9404.000.

2.3 * Photovoltaic/Solar ("PV") Array Rating (phase 1): 3,750 kW.
* Photovoltaic/Solar ("PV") Array Rating (phase 2): Up to 5,000 kW.
* Wind Turbine ("WT") Rating: _____ kW.
* Other Generating Facility Rating: _____ kW.
* Total Generating Facilities Rating: _____ kW.

2.4 Generating Facility Location: (Address) 4001 Iowa Avenue,
Riverside, California 92507.

2.5 * Generating Facility(ies) will be ready for operation and interconnection on or about:
(Phase 1): 5/13, 2021. (Phase 2): TBD _____, 201 .

2.6 Customer represents that the Generating Facility shall be as shown on Exhibit "A" ("Generating Facility Plan"), attached hereto and incorporated herein by this reference.

2.7 Customer represents the Generating Facility is a (check all applicable descriptions):

☒ Solar electrical generating facility
☐ Wind turbine electrical generating facility
☐ Other generating facility.

If Other, please state: _____.

3. RESIDENTIAL OR SMALL COMMERCIAL CUSTOMER PAYMENT SCHEDULE

As further described in Section 12, if Customer is a Residential or Small Commercial Customer (Schedule A Flat Rate), Customer elects to be billed and to make payments to Riverside for Customer's Net Energy Metering Consumption as follows (Check one):

☒ Monthly ☐ Annually

4. INTERRUPTION OR REDUCTION OF DELIVERIES

- 4.1 Riverside shall not be obligated to accept or pay for, and may require Customer to curtail, interrupt or reduce, deliveries of available energy from its Generating Facility (a) when necessary in order to construct, install, maintain, repair, replace, remove, investigate, or inspect any of its equipment or part of Riverside's system, or (b) if Riverside determines in its sole discretion that such curtailment, interruption, or reduction is convenient or necessary due to emergency, forced outage, force majeure, or compliance with prudent electrical practices.
- 4.2 Whenever reasonably possible, Riverside shall give Customer reasonable notice of the possibility that curtailment, interruption or reduction of such deliveries may be required.
- 4.3 Notwithstanding any other provision of this Agreement, if at any time Riverside determines that either (a) the Generating Facility or its operation may endanger the health, safety or welfare of Riverside personnel, any person or the public, or (b) the continued operation of the Generating Facility may endanger the integrity of Riverside's electric system, any property or the environment, Riverside shall have the right to enter onto Customer's premises and disconnect Customer's Generating Facility from Riverside's system. Customer's Generating Facility shall remain disconnected until such time as Riverside is satisfied that the condition(s) referenced in (a) and (b) of this Subsection 4.3 have been corrected.

5. INTERCONNECTION

- 5.1 Customer shall deliver the available energy to Riverside at the Required Meter (as defined in Subsection 7.1 below) located on the Customer's premises.
- 5.2 Customer shall not commence parallel operation of the Generating Facility until Customer receives written approval from Riverside's Authorized Representative. Riverside's Authorized Representative shall provide such written approval within ten (10) working days from Riverside's receipt of a copy of the final inspection or approval of the Generating Facility that has been issued by the governmental authority having jurisdiction to inspect and approve the installation. Such approval shall not be unreasonably withheld.
- 5.3 Riverside shall have the right to have its representatives present at the final inspection made by the governmental authority having jurisdiction to inspect and approve the installation of the Generating Facility. Customer shall notify Riverside in accordance with the terms of Section 15, herein, at least five days prior to such inspection.

6. CUSTOMER REQUIREMENTS

- 6.1 Customer shall be responsible for the design, installation, operation, and maintenance of the Generating Facility and shall obtain and maintain any required governmental authorizations and permits.
- 6.2 Customer shall conform to all applicable Generating Facility system safety and performance standards established by the National Electrical Code (“NEC”), the Institute of Electrical and Electronics Engineers (“IEEE”), and accredited, nationally recognized testing laboratories such as Underwriters Laboratories, applicable building codes, and to all applicable Riverside Public Utilities Electric Rules, as may be amended from time to time.
- 6.3 Customer shall install a visible disconnect switch for the Generating Facility as shown on Exhibit “A”. The disconnect switch shall be lockable in the open position and directly accessible to Riverside employees at all times.

7. REQUIRED METER

- 7.1 In accordance with Riverside’s published Electrical Rules and Rates, Riverside shall own, operate and maintain on Customer’s premises a single meter capable of registering the flow of energy in two directions (“Required Meter”).
- 7.2 If the existing electrical meter of Customer is not capable of measuring the flow of energy in two directions, Customer shall be responsible for all expenses involved in Riverside’s purchase and installation of a Required Meter.
- 7.3 An additional meter or meters to monitor the flow of energy in each direction may be installed with the consent of Customer, at the expense of Riverside, and the additional metering shall be used only to provide the information necessary to accurately bill or credit Customer pursuant to Section 12 below, or to collect Generating Facility system performance information for research purposes.
- 7.4 If an additional meter or meters are installed, the Net Energy Metering (as defined in Subsection 12.1 below) calculation shall yield a result identical to that of a single meter.

8. MAINTENANCE AND PERMITS

Customer shall (a) maintain the Generating Facility and interconnection facilities in a safe and prudent manner and in conformance with all applicable laws and regulations including, but not limited to Section 6, and (b) obtain any governmental authorizations and permits required for the construction and operation of the Generating Facility and interconnection facilities. Customer shall reimburse Riverside for any and all losses, damages, claims, penalties, or liability it incurs as a result of Customer's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of Customer's Generating Facility.

9. ACCESS TO PREMISES

Riverside may enter Customer's premises (a) to inspect, at reasonable hours, Customer's protective devices and read or test meters, and (b) to disconnect, without notice, the interconnection facilities if, in Riverside's opinion, a hazardous condition exists and such immediate action is necessary to protect persons, Riverside’s facilities, or property of others from damage or interference caused by Customer’s Generating Facility or lack of properly operating protective devices.

10. INDEMNITY AND LIABILITY

- 10.1 Except as to Riverside's negligence or willful misconduct, Customer shall hold harmless Riverside, its officers, employees, and agents against and from any and all loss, liability, damage, claim, cost, charge, demand, or expense (including without limitation any direct, indirect or consequential loss, liability, damage, claim, cost, charge, demand, expense, or attorneys' fees) for injury or death to any person, and damage to property, including without limitation property of either Party, arising out of or in connection with (a) any act or omission in the engineering, design, construction, destruction, maintenance, repair, operation, supervision, inspection, testing, protection or ownership of the Generating Facility, (b) any act or omission in the replacement, addition, betterment, reconstruction, removal, or destruction, of or to the Generating Facility, or (c) the Generating Facility.
- 10.2 The provisions of this Section 10 shall not be construed to relieve any insurer of its obligations to pay any insurance claims in accordance with the provisions of any valid insurance policy.

11. INSURANCE

- 11.1 To the extent that Customer has currently in force all risk property insurance and comprehensive personal or commercial general liability insurance, Customer agrees that it will maintain such insurance in force for the duration of this Agreement in no less amounts than those currently in effect. Riverside shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operation.
- 11.2 If Customer meets the standards and rules set forth in Section 6, Customer shall not be required to purchase any additional liability insurance over and above that referenced in Subsection 11.1.
- 11.3 Prior to Riverside's execution of this Agreement, Customer shall provide Riverside with evidence of Customer's compliance with the requirements of this section.

12. RATES AND BILLING

- 12.1 Section 12 herein (Rates and Billing) is subject to all terms and conditions set forth in the Clean Power Purchase Agreement between Customer and RPU effective on _____. The Green Power Purchase Agreement shall take precedence if there are any conflicts between Section 12 herein and the Clean Power Purchase Agreement. All rates charged will be in accordance with Customer's otherwise applicable tariff (rate schedule), as in effect from time to time, on a Net Energy Metering basis. "Net Energy Metering" means measuring the difference between the energy supplied through the electric grid to the Customer and the energy generated by Customer's Generating Facility and fed back to the electric grid over a twelve-month period.
- 12.2 Customer's otherwise applicable tariff (rate schedule) or "OAT" means the rate schedule in Riverside's published Electric Rules and Rates that would otherwise apply to Customer from time to time for electrical services to the premises, provided that Customer's OAT shall not include Rate Schedule NEM or Rate Schedule S-Stand-By Service.
- 12.3 Customer is responsible for paying all charges in its OAT including the minimum charges (including service, customer, reliability, or demand charges), when applicable, regardless of Customer's monthly or annual net generation.
- 12.4 Customer is subject to any new or additional charge(s) that may be imposed by Riverside on the other customers in the rate class to which Customer would otherwise be assigned.

- 12.5 Customer's twelve-month period, as set forth in Subsection 12.1 herein, shall commence with the Customer's regularly scheduled meter read date in January and conclude as of the Customer's regularly scheduled meter read date the following December. The Customer's first such period will commence as of the date of this agreement and conclude as of the regularly scheduled meter read date the following December, and may be less than 12 months.
- 12.6 If Customer's OAT is the Residential or Small Commercial (Schedule A Flat) Rate, the following provisions apply:
- 12.6.1 The annualized Net Energy Metering calculation shall be made by measuring the difference between the energy supplied to Customer and the energy generated by Customer and fed back to Riverside's grid over a twelve-month period. At the end of each twelve-month period, and at each anniversary date thereafter, Riverside shall determine if Customer was a net consumer or a net generator of energy during the twelve-month period. In the event the energy supplied by Riverside during the twelve-month period exceeds the energy generated by Customer during that same period, Customer is a net energy consumer.
- 12.6.2 If Customer is a net energy consumer, Riverside will bill Customer for the net energy consumed during the twelve-month period based on Customer's OAT and Customer shall pay for such net energy consumed annually.
- 12.6.3 Customer may elect to be billed monthly for net energy consumed upon initiation of service under Section 3 of this Agreement or upon proper written notice to Riverside no later than thirty-days prior to the Customer's regularly scheduled meter read date in January of each year. Such change shall be made by Riverside at the beginning of a new twelve-month period coinciding with the Customer's regularly scheduled meter read date in January following receipt of Customer's proper written notice.
- 12.7 If Customer's OAT is a Commercial (Schedule A Demand), Industrial or Agricultural Rate the following provisions apply:
- 12.7.1 The annualized Net Energy Metering calculation shall be made by measuring the difference between the energy supplied to Customer and the energy generated by Customer and fed back to Riverside's grid over a twelve-month period. Additionally, at the end of each billing period, Riverside shall determine if Customer was a net consumer or a net generator of energy. In the event the energy supplied by Riverside to Customer during the preceding billing period exceeds the energy generated by Customer during that same billing period, Customer is a net energy consumer.
- 12.7.2 If Customer is a net energy consumer, Riverside will bill Customer for the net energy consumed during such billing period based on Customer's OAT and Customer shall pay for such net energy consumed monthly in accordance with Customer's monthly billing statement and the Electric Rules.
- 12.8 If Customer's OAT employs "time of use" rates, any net energy consumed monthly shall be calculated according to the terms of the OAT. When Customer is a net generator during any discrete time of use period over a billing period, the net kilowatt-hours generated shall be valued at the same price per kilowatt-hour as Riverside would charge for retail kilowatt-hour sales during that same time of use period. If Customer's time of use electrical meter is unable to measure the flow of energy in two directions, the provisions of Section 7 shall apply.

- 12.9 If Customer's OAT employs "tiered" rates, any net energy consumed monthly shall be calculated according to the terms of the OAT. When Customer is a net generator over a billing period, the net kilowatt-hours generated shall be valued at the same price per kilowatt-hour as Riverside would charge for the same tiered quantity of energy during that billing period.
- 12.10 Riverside shall provide Customer with Net Energy Metering consumption and generation information on a monthly basis. Such monthly update shall include the current accrued balance owed to Riverside for Net Energy Metering charges, or current accrued credits for Net Energy Metering generation, whichever applies.
- 12.11 If the energy generated exceeds the energy consumed by the Customer, the Customer is a net energy generator. If Customer is a net generator of energy over a normal billing period, any excess kilowatt-hours generated during the billing period shall be carried forward as a monetary value to the following billing period (until the end of the Customer's twelve-month period).
- 12.12 At the end of each twelve-month period, the following provisions apply:
- 12.12.1 Riverside shall retain any net surplus energy generated by Customer and Customer's monetary value shall be reset to zero for the subsequent twelve-month period. No payment will be made to Customer for the excess energy delivered to Riverside's grid, unless Customer elects a compensation option in Subsection 12.12.3.
- 12.12.2 Customer may, upon Riverside's timely receipt of Customer's written affirmative election, be eligible for net surplus energy compensation. The Customer's net surplus energy compensation shall be calculated over a twelve-month period beginning with the Customer's regularly scheduled meter read date in January following receipt of a timely filed affirmative election and conclude as of the Customer's regularly scheduled meter read date the following December.
- 12.12.3 At the end of the twelve-month period, upon certification by the Customer that they have sole ownership of the environmental attributes and REC associated with the energy generated from the Generating Facility in accordance with Subsection 12.12.5, Customer may receive net surplus energy compensation for net surplus energy by affirmatively electing one of the following methods (Please initial just one):
- A. ☐ Receive compensation based on an annual time differentiated per kilowatt-hour rate for net surplus energy generated during the prior twelve-month period. The rate will be posted on the Utility's website (RiversidePublicUtilities.com/Electric Rates) on January 1 of each year and will be effective from January 1 through December 31. The rate shall be established annually based upon the average hourly cost of renewable energy purchased by Riverside and reported in the most recently audited fiscal year; or
- B. ☒ Receive the net surplus energy as a kilowatt-hour credit calculated using the net surplus energy compensation rate and applied against future billing periods.

12.12.4 Affirmative elections remain effective for each twelve-month period following the execution of such election. Customers are eligible to revise their net surplus energy compensation elections by giving written notice to Riverside at least thirty-days prior to the beginning of each succeeding twelve-month period.

12.12.5 Customer hereby certifies that they have sole ownership of the environmental attributes and REC associated with the energy generated from the Generating Facility. For Customers who elect to receive net surplus energy compensation based on a per kilowatt-hour rate in accordance with Subsection 12.12.3, the environmental attributes and REC associated with the kilowatt-hours in which the Customer received net surplus energy compensation at the per kilowatt-hour rate shall be the property of Riverside. Customer hereby transfers to Riverside all rights, title, and interest Customer has to such environmental attributes and REC. Customers who elect to receive net surplus energy compensation based on a per kilowatt-hour credit calculated using the net surplus energy compensation rate and applied in accordance with Subsection 12.12.3 may elect to transfer to Riverside all rights, title, and interest Customer has to such environmental attributes and REC.

12.13 If Customer terminates service under this Agreement prior to the end of any twelve-month period, Riverside shall reconcile Customer's energy consumed and generated following the last reconciliation, according to the requirements set forth in this Agreement, except that those requirements shall apply only to the months since the most recent twelve-month bill.

12.14 Rate Schedule—NEM, in effect on the effective date of this Agreement and as established by Riverside's Board of Public Utilities and adopted by Riverside's City Council from time to time, is incorporated into this Agreement as though set forth herein in full. This Agreement is the Standard Contract—NEM referenced in Rate Schedule-NEM.

13. GOVERNING LAW, VENUE

This Agreement shall be interpreted under, governed by, and construed in accordance with the laws of the State of California as if executed and to be performed wholly within the State of California, without regard to conflicts of law rules thereof. Any action at law or equity brought by either Party for the purpose of enforcing a right or rights provided in this Agreement shall be brought only in a court of proper jurisdiction in the County of Riverside or County of Sacramento, State of California, and the Parties hereby waive all other provisions of law providing for a change of venue in such proceedings to any other county.

14. MODIFICATIONS, WAIVER, INTERPRETATION

14.1 No amendment or modification to this Agreement shall be effective unless in a writing duly executed by both Parties. The failure of any Party at any time or times to require performance of any provision hereof shall in no manner affect the right at a later time to enforce the same. No waiver by any Party of the breach of any term or covenant contained in this Agreement, whether by conduct or otherwise, shall be deemed to be construed as a further or continuing waiver of any such breach or a waiver of the breach of any other term or covenant unless such waiver is in writing.

14.2 This Agreement shall supersede any existing agreement with Riverside under which Customer is currently operating the Generating Facility identified in Section 2, herein, and any such agreement shall be deemed terminated as of the effective date of this Agreement.

14.3 This Agreement constitutes the final, complete and exclusive statement of the terms of the agreement between the Parties pertaining to the subject matter of this Agreement, and supersedes all prior and contemporaneous understandings or agreements of the Parties. Neither Party has been induced to enter into this Agreement by, and neither party is relying on, any representation or warranty outside those expressly set forth in this Agreement.

14.4 Except as expressly modified herein, Riverside's published Rates and Rules as adopted from time to time by Riverside shall continue to be applicable to Riverside's provision of electrical service to Customer.

15. NOTICES

15.1 Any notice required under this Agreement shall be in writing and mailed at any United States Post Office with postage prepaid and addressed to the Party, or personally delivered to the Party, at the address below. Changes in such designation may be made by notice similarly given. All written notices shall be directed as follows:

Riverside:
Riverside Public Utilities
Energy Delivery Engineering
3750 University Avenue
Riverside, CA 92501

Customer:
To the mailing address listed on page 1 of this Agreement.

15.2 Customer's notices to Riverside pursuant to this Section shall refer to the Customer Account Number that is set forth in Subsection 2.2.

15.3 In the event of an emergency, Customer shall immediately notify Riverside Public Utilities at its 24-hour emergencies number, 951-782-0330, of any emergency situation related to the Generating Facility.

16. TERM AND TERMINATION OF AGREEMENT

16.1 This Agreement shall become effective on the date this Agreement is duly executed by both Parties as set forth in Section 19 below, and shall continue in full force and effect until terminated as provided herein.

16.2 This Agreement shall terminate on the earliest to occur of:

16.2.1 The thirtieth day after Customer gives Riverside prior written notice of termination with or without cause in accordance with Section 15; or

16.2.2 The date both Parties agree in writing to terminate this Agreement; or

16.2.3 The first day after Riverside gives Customer written notice of termination for cause, provided that Riverside shall first have given Customer written notice of Customer's breach of this Agreement and within thirty days of Riverside's sending notice of such breach, Customer fails to cure such breach or, if such breach requires more than thirty days to cure, Customer fails to promptly commence cure of such breach and diligently prosecute such cure to completion; or

16.2.4 The date Riverside is no longer the electric supplier to Customer's premises; or

16.2.5 The date changes to Customer's electric load, or other circumstances, cause Customer to no longer satisfy all requirements of the definition of an Eligible Customer- Generator, as set forth in Section 2827(b)(4) of the California Public Utilities Code on the effective date of this Agreement.

16.3 After termination of this Agreement, any electric service provided by Riverside to Customer shall be pursuant to and in accordance with Customer's OAT.

17. AUTHORIZED REPRESENTATIVE

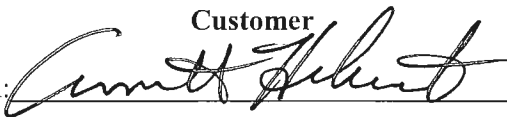
Riverside's Authorized Representative is the General Manager of the Public Utilities Department, or his designee.

18. ASSIGNMENT PROHIBITED

Customer understands and agrees that this Agreement is personal to Customer and that Customer shall not assign or transfer in any way all or any portion of this Agreement to any other person or entity of any kind. Any attempt by Customer to assign or transfer in any way all or any portion of this Agreement shall be void ab initio.

19. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused an original of this Agreement to be executed by their duly authorized representatives on the dates set forth below. This Agreement is effective as of the latter of the two dates set forth below.

Customer
Sign: 
Name: Annette Hebert
Title: Assistant Executive Officer
Southern California Headquarters
Date: August 9, 2021

Riverside
Sign: _____
Name: Todd Corbin
Title: General Manager
Date: _____

If corporation, two signatures required

Sign: _____
Name: _____
Title: _____
Date: _____

ATTEST:

By: _____
City Clerk

APPROVED AS TO FORM:

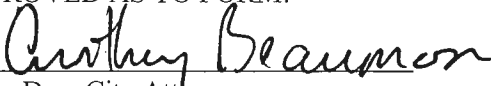
By: 
Dep. City Attorney

Exhibit “A”

GENERATING FACILITY PLAN

Riverside Public Utilities
Energy Delivery-Customer Engineering
Photovoltaic Inspection Form

CLEAR

Address: 4001 Iowa Ave

Meter Release Date: 03/17/2021

Name: CARB - MC1

Planner: E. Mejia/J. Balderrama

Customer Type:

MP BK: 41-3

System Cost:

Circuit: 1383

Rebate Amount:

Zip Code 92507

Meter #: 110006

Permit: SELF INSPECT

Residential/Commercial Commercial

SOLAR PANELS			
MANUFACTURER / MODEL 1	LG Electronics		lg370q1c-v5
PANEL SIZE / PTC RATING (W) 1	370		349
MANUFACTURER / MODEL 2			
PANEL SIZE / PTC RATING (W) 2	0		0
MANUFACTURER / MODEL 3			
PANEL SIZE / PTC RATING (W) 3	0		0
	SYSTEM 1	SYSTEM 2	SYSTEM 3
# OF PANELS	1274	0	0
DC POWER (KW)	471.38	0	0
TOTAL DC POWER (KW)	471.38		
INVERTER			
MANUFACTURER / MODEL 1	SMA America		STP50-US-40 [480V]
MANUFACTURER / MODEL 2			
MANUFACTURER / MODEL 3			
	EFFICIENCY 1	EFFICIENCY 2	EFFICIENCY 3
EFFICIENCY	98.0%	0.0%	0.0%
VOLTAGE DC/AC (V)			
	SYSTEM 1	SYSTEM 2	SYSTEM 3
AC POWER (KW)	435.73	0.00	0.00
TOTAL AC POWER (KW)	435.73		
EST ANNUAL KWH PRODUCED	0		
ANNUAL KWH CONSUMED	Utility 2.0 Annual KWH	KWH	%ANNUAL KWH PRODUCED
	0	0	0%
CSI Calculator			
	ANNUAL KWH 1	ANNUAL KWH 2	ANNUAL KWH 3
CSI ANNUAL KWH		0	0
	AZIMUTH ANGLE 1	AZIMUTH ANGLE 2	AZIMUTH ANGLE 3
AZIMUTH ANGLE (DEGREES)	0	0	0
	ARRAY TILT 1	ARRAY TILT 2	ARRAY TILT 3
PITCH/ARRAY TILT (DEGREES)	0	0	0
CSI ANNUAL KWH PRODUCED	0		
NOTES	Primary Metered Service RPU#1, RELEASE FOR - MC-1.		
	Checked by: _____		

Riverside Public Utilities
Energy Delivery-Customer Engineering
Photovoltaic Inspection Form

CLEAR

Address: 4001 Iowa Ave

Meter Release Date: 03/17/2021

Name: CARB - MC2

Planner: J. Balderrama

Customer Type:

MP BK: 41-3

System Cost:

Circuit: 1383

Rebate Amount:

Zip Code 92507

Meter #: 109782

Permit: SELF INSPECT

Residential/Commercial COMMERCIAL

SOLAR PANELS			
MANUFACTURER / MODEL 1	LG Electronics		lg370q1c-v5
PANEL SIZE / PTC RATING (W) 1	370		349
MANUFACTURER / MODEL 2			
PANEL SIZE / PTC RATING (W) 2	0		0
MANUFACTURER / MODEL 3			
PANEL SIZE / PTC RATING (W) 3	0		0
	SYSTEM 1	SYSTEM 2	SYSTEM 3
# OF PANELS	767	0	0
DC POWER (KW)	283.79	0	0
TOTAL DC POWER (KW)	283.79		
INVERTER			
MANUFACTURER / MODEL 1	SMA America		STP50-US-40 [480V]
MANUFACTURER / MODEL 2			
MANUFACTURER / MODEL 3			
	EFFICIENCY 1	EFFICIENCY 2	EFFICIENCY 3
EFFICIENCY	98.0%	0.0%	0.0%
VOLTAGE DC/AC (V)			
	SYSTEM 1	SYSTEM 2	SYSTEM 3
AC POWER (KW)	262.33	0.00	0.00
TOTAL AC POWER (KW)	262.33		
EST ANNUAL KWH PRODUCED	5801780		
ANNUAL KWH CONSUMED	Utility 2.0 Annual KWH	KWH	%ANNUAL KWH PRODUCED
	0	0	0%
CSI Calculator			
	ANNUAL KWH 1	ANNUAL KWH 2	ANNUAL KWH 3
CSI ANNUAL KWH	5801780	0	0
	AZIMUTH ANGLE 1	AZIMUTH ANGLE 2	AZIMUTH ANGLE 3
AZIMUTH ANGLE (DEGREES)	0	0	0
	ARRAY TILT 1	ARRAY TILT 2	ARRAY TILT 3
PITCH/ARRAY TILT (DEGREES)	0	0	0
CSI ANNUAL KWH PRODUCED	5801780		
NOTES	Primary Metered Service RPU#2, RELEASE FOR - MC-2		
	Checked by: _____		

Riverside Public Utilities
Energy Delivery-Customer Engineering
Photovoltaic Inspection Form

CLEAR

Address: 4001 Iowa Ave

Meter Release Date: 03/30/2021

Name: CARB - MC3

Planner: E. Mejia/J. Balderrama

Customer Type:

MP BK: 41-3

System Cost:

Circuit: 1383

Rebate Amount:

Zip Code 92507

Meter #: 109782

Permit: SELF INSPECT

Residential/Commercial Commercial

SOLAR PANELS			
MANUFACTURER / MODEL 1	LG Electronics		lg370q1c-v5
PANEL SIZE / PTC RATING (W) 1	370		349
MANUFACTURER / MODEL 2			
PANEL SIZE / PTC RATING (W) 2	0		0
MANUFACTURER / MODEL 3			
PANEL SIZE / PTC RATING (W) 3	0		0
	SYSTEM 1	SYSTEM 2	SYSTEM 3
# OF PANELS	1086	0	0
DC POWER (KW)	401.82	0	0
TOTAL DC POWER (KW)	401.82		
INVERTER			
MANUFACTURER / MODEL 1	SMA America		STP50-US-40 [480V]
MANUFACTURER / MODEL 2			
MANUFACTURER / MODEL 3			
	EFFICIENCY 1	EFFICIENCY 2	EFFICIENCY 3
EFFICIENCY	98.0%	0.0%	0.0%
VOLTAGE DC/AC (V)			
	SYSTEM 1	SYSTEM 2	SYSTEM 3
AC POWER (KW)	371.43	0.00	0.00
TOTAL AC POWER (KW)	371.43		
EST ANNUAL KWH PRODUCED	0		
ANNUAL KWH CONSUMED	Utility 2.0 Annual KWH	KWH	%ANNUAL KWH PRODUCED
	0	0	0%
CSI Calculator			
	ANNUAL KWH 1	ANNUAL KWH 2	ANNUAL KWH 3
CSI ANNUAL KWH		0	0
	AZIMUTH ANGLE 1	AZIMUTH ANGLE 2	AZIMUTH ANGLE 3
AZIMUTH ANGLE (DEGREES)	0	0	0
	ARRAY TILT 1	ARRAY TILT 2	ARRAY TILT 3
PITCH/ARRAY TILT (DEGREES)	0	0	0
CSI ANNUAL KWH PRODUCED	0		
NOTES	Primary Metered Service RPU#2, RELEASE FOR - MC-3		
	Checked by: _____		

Riverside Public Utilities
Energy Delivery-Customer Engineering
Photovoltaic Inspection Form

CLEAR

Address: 4001 Iowa Ave

Meter Release Date: 03/30/2021

Name: CARB - MC4

Planner: E. Mejia/J. Balderrama

Customer Type:

MP BK: 41-3

System Cost:

Circuit: 1383

Rebate Amount:

Zip Code 92507

Meter #: 110006

Permit: SELF INSPECT

Residential/Commercial Commercial

SOLAR PANELS			
MANUFACTURER / MODEL 1	LG Electronics	lg370q1c-v5	
PANEL SIZE / PTC RATING (W) 1	370	349	
MANUFACTURER / MODEL 2			
PANEL SIZE / PTC RATING (W) 2	0	0	
MANUFACTURER / MODEL 3			
PANEL SIZE / PTC RATING (W) 3	0	0	
	SYSTEM 1	SYSTEM 2	SYSTEM 3
# OF PANELS	1292	0	0
DC POWER (KW)	478.04	0	0
TOTAL DC POWER (KW)	478.04		
INVERTER			
MANUFACTURER / MODEL 1	SMA America	STP50-US-40 [480V]	
MANUFACTURER / MODEL 2			
MANUFACTURER / MODEL 3			
	EFFICIENCY 1	EFFICIENCY 2	EFFICIENCY 3
EFFICIENCY	98.0%	0.0%	0.0%
VOLTAGE DC/AC (V)			
	SYSTEM 1	SYSTEM 2	SYSTEM 3
AC POWER (KW)	441.89	0.00	0.00
TOTAL AC POWER (KW)	441.89		
EST ANNUAL KWH PRODUCED	0		
ANNUAL KWH CONSUMED	Utility 2.0 Annual KWH	KWH	%ANNUAL KWH PRODUCED
	0	0	0%
CSI Calculator			
	ANNUAL KWH 1	ANNUAL KWH 2	ANNUAL KWH 3
CSI ANNUAL KWH		0	0
	AZIMUTH ANGLE 1	AZIMUTH ANGLE 2	AZIMUTH ANGLE 3
AZIMUTH ANGLE (DEGREES)	0	0	0
	ARRAY TILT 1	ARRAY TILT 2	ARRAY TILT 3
PITCH/ARRAY TILT (DEGREES)	0	0	0
CSI ANNUAL KWH PRODUCED	0		
NOTES	Primary Metered Service RPU#1, RELEASE FOR - MC-3		
	Checked by: _____		

Riverside Public Utilities
Energy Delivery-Customer Engineering
Photovoltaic Inspection Form

CLEAR

Address: 4001 Iowa Ave

Meter Release Date: 03/17/2021

Name: CARB - DP-5

Planner: E. Mejia/J. Balderrama

Customer Type:

MP BK: 41-3

System Cost:

Circuit: 1383

Rebate Amount:

Zip Code 92507

Meter #: 110006

Permit: SELF INSPECT

Residential/Commercial Commercial

SOLAR PANELS			
MANUFACTURER / MODEL 1	LG Electronics	lg370q1c-v5	
PANEL SIZE / PTC RATING (W) 1	370	349	
MANUFACTURER / MODEL 2			
PANEL SIZE / PTC RATING (W) 2	0	0	
MANUFACTURER / MODEL 3			
PANEL SIZE / PTC RATING (W) 3	0	0	
	SYSTEM 1	SYSTEM 2	SYSTEM 3
# OF PANELS	1331	0	0
DC POWER (KW)	492.47	0	0
TOTAL DC POWER (KW)	492.47		
INVERTER			
MANUFACTURER / MODEL 1	SMA America	STP50-US-40 [480V]	
MANUFACTURER / MODEL 2			
MANUFACTURER / MODEL 3			
	EFFICIENCY 1	EFFICIENCY 2	EFFICIENCY 3
EFFICIENCY	98.0%	0.0%	0.0%
VOLTAGE DC/AC (V)			
	SYSTEM 1	SYSTEM 2	SYSTEM 3
AC POWER (KW)	455.23	0.00	0.00
TOTAL AC POWER (KW)	455.23		
EST ANNUAL KWH PRODUCED	0		
ANNUAL KWH CONSUMED	Utility 2.0 Annual KWH	KWH	%ANNUAL KWH PRODUCED
	0	0	0%
CSI Calculator			
	ANNUAL KWH 1	ANNUAL KWH 2	ANNUAL KWH 3
CSI ANNUAL KWH		0	0
	AZIMUTH ANGLE 1	AZIMUTH ANGLE 2	AZIMUTH ANGLE 3
AZIMUTH ANGLE (DEGREES)	0	0	0
	ARRAY TILT 1	ARRAY TILT 2	ARRAY TILT 3
PITCH/ARRAY TILT (DEGREES)	0	0	0
CSI ANNUAL KWH PRODUCED	0		
NOTES	Primary Metered Service RPU#1, RELEASE FOR - DP-5		
	Checked by:		

Riverside Public Utilities
Energy Delivery-Customer Engineering
Photovoltaic Inspection Form

CLEAR

Address: 4001 Iowa Ave

Meter Release Date: 03/17/2021

Name: CARB - DP6

Planner: J. Balderrama

Customer Type:

MP BK: 41-3

System Cost:

Circuit: 1383

Rebate Amount:

Zip Code 92507

Meter #: 109782

Permit: SELF INSPECT

Residential/Commercial COMMERCIAL

SOLAR PANELS			
MANUFACTURER / MODEL 1	LG Electronics		lg370q1c-v5
PANEL SIZE / PTC RATING (W) 1	370		349
MANUFACTURER / MODEL 2			
PANEL SIZE / PTC RATING (W) 2	0		0
MANUFACTURER / MODEL 3			
PANEL SIZE / PTC RATING (W) 3	0		0
	SYSTEM 1	SYSTEM 2	SYSTEM 3
# OF PANELS	1529	0	0
DC POWER (KW)	565.73	0	0
TOTAL DC POWER (KW)	565.73		
INVERTER			
MANUFACTURER / MODEL 1	SMA America		STP50-US-40 [480V]
MANUFACTURER / MODEL 2			
MANUFACTURER / MODEL 3			
	EFFICIENCY 1	EFFICIENCY 2	EFFICIENCY 3
EFFICIENCY	98.0%	0.0%	0.0%
VOLTAGE DC/AC (V)			
	SYSTEM 1	SYSTEM 2	SYSTEM 3
AC POWER (KW)	522.95	0.00	0.00
TOTAL AC POWER (KW)	522.95		
EST ANNUAL KWH PRODUCED	0		
ANNUAL KWH CONSUMED	Utility 2.0 Annual KWH	KWH	%ANNUAL KWH PRODUCED
	0	0	0%
CSI Calculator			
	ANNUAL KWH 1	ANNUAL KWH 2	ANNUAL KWH 3
CSI ANNUAL KWH		0	0
	AZIMUTH ANGLE 1	AZIMUTH ANGLE 2	AZIMUTH ANGLE 3
AZIMUTH ANGLE (DEGREES)	0	0	0
	ARRAY TILT 1	ARRAY TILT 2	ARRAY TILT 3
PITCH/ARRAY TILT (DEGREES)	0	0	0
CSI ANNUAL KWH PRODUCED	0		
NOTES	Primary Metered Service RPU#2, RELEASE FOR - DP-6		
	Checked by:		

Riverside Public Utilities
Energy Delivery-Customer Engineering
Photovoltaic Inspection Form

CLEAR

Address: 4001 Iowa Ave

Meter Release Date: 03/17/2021

Name: CARB - DP-7

Planner: J. Balderrama

Customer Type:

MP BK: 41-3

System Cost:

Circuit: 1383

Rebate Amount:

Zip Code 92507

Meter #: 109782

Permit: SELF INSPECT

Residential/Commercial COMMERCIAL

SOLAR PANELS			
MANUFACTURER / MODEL 1	LG Electronics		lg370q1c-v5
PANEL SIZE / PTC RATING (W) 1	370		349
MANUFACTURER / MODEL 2			
PANEL SIZE / PTC RATING (W) 2	0		0
MANUFACTURER / MODEL 3			
PANEL SIZE / PTC RATING (W) 3	0		0
	SYSTEM 1	SYSTEM 2	SYSTEM 3
# OF PANELS	1465	0	0
DC POWER (KW)	542.05	0	0
TOTAL DC POWER (KW)	542.05		
INVERTER			
MANUFACTURER / MODEL 1	SMA America		STP50-US-40 [480V]
MANUFACTURER / MODEL 2			
MANUFACTURER / MODEL 3			
	EFFICIENCY 1	EFFICIENCY 2	EFFICIENCY 3
EFFICIENCY	98.0%	0.0%	0.0%
VOLTAGE DC/AC (V)			
	SYSTEM 1	SYSTEM 2	SYSTEM 3
AC POWER (KW)	501.06	0.00	0.00
TOTAL AC POWER (KW)	501.06		
EST ANNUAL KWH PRODUCED	0		
ANNUAL KWH CONSUMED	Utility 2.0 Annual KWH	KWH	%ANNUAL KWH PRODUCED
	0	0	0%
CSI Calculator			
	ANNUAL KWH 1	ANNUAL KWH 2	ANNUAL KWH 3
CSI ANNUAL KWH		0	0
	AZIMUTH ANGLE 1	AZIMUTH ANGLE 2	AZIMUTH ANGLE 3
AZIMUTH ANGLE (DEGREES)	0	0	0
	ARRAY TILT 1	ARRAY TILT 2	ARRAY TILT 3
PITCH/ARRAY TILT (DEGREES)	0	0	0
CSI ANNUAL KWH PRODUCED	0		
NOTES	Primary Metered Service RPU#2, RELEASE FOR - DP-7		
	Checked by: _____		

Riverside Public Utilities
Energy Delivery-Customer Engineering
Photovoltaic Inspection Form

CLEAR

Address: 4001 Iowa Ave

Meter Release Date: 05/13/2021

Name: CARB - DP - 8

Planner: J. Balderrama

Customer Type:

MP BK: 41-3

System Cost:

Circuit: 1383

Rebate Amount:

Zip Code 92507

Meter #: 110006

Permit: SELF INSPECT

Residential/Commercial Commercial

SOLAR PANELS			
MANUFACTURER / MODEL 1	LG Electronics	lg370q1c-v5	
PANEL SIZE / PTC RATING (W) 1	370	349	
MANUFACTURER / MODEL 2			
PANEL SIZE / PTC RATING (W) 2	0	0	
MANUFACTURER / MODEL 3			
PANEL SIZE / PTC RATING (W) 3	0	0	
	SYSTEM 1	SYSTEM 2	SYSTEM 3
# OF PANELS	1388	0	0
DC POWER (KW)	513.56	0	0
TOTAL DC POWER (KW)	513.56		
	INVERTER		
MANUFACTURER / MODEL 1	SMA America	STP50-US-40 [480V]	
MANUFACTURER / MODEL 2			
MANUFACTURER / MODEL 3			
	EFFICIENCY 1	EFFICIENCY 2	EFFICIENCY 3
EFFICIENCY	98.0%	0.0%	0.0%
VOLTAGE DC/AC (V)			
	SYSTEM 1	SYSTEM 2	SYSTEM 3
AC POWER (KW)	474.72	0.00	0.00
TOTAL AC POWER (KW)	474.72		
EST ANNUAL KWH PRODUCED	0		
ANNUAL KWH CONSUMED	Utility 2.0 Annual KWH	KWH	%ANNUAL KWH PRODUCED
	0	0	0%
	CSI Calculator		
	ANNUAL KWH 1	ANNUAL KWH 2	ANNUAL KWH 3
CSI ANNUAL KWH		0	0
	AZIMUTH ANGLE 1	AZIMUTH ANGLE 2	AZIMUTH ANGLE 3
AZIMUTH ANGLE (DEGREES)	0	0	0
	ARRAY TILT 1	ARRAY TILT 2	ARRAY TILT 3
PITCH/ARRAY TILT (DEGREES)	0	0	0
CSI ANNUAL KWH PRODUCED	0		
NOTES	Primary Metered Service RPU#2. RELEASE FOR - DP-8		
	Checked by:		

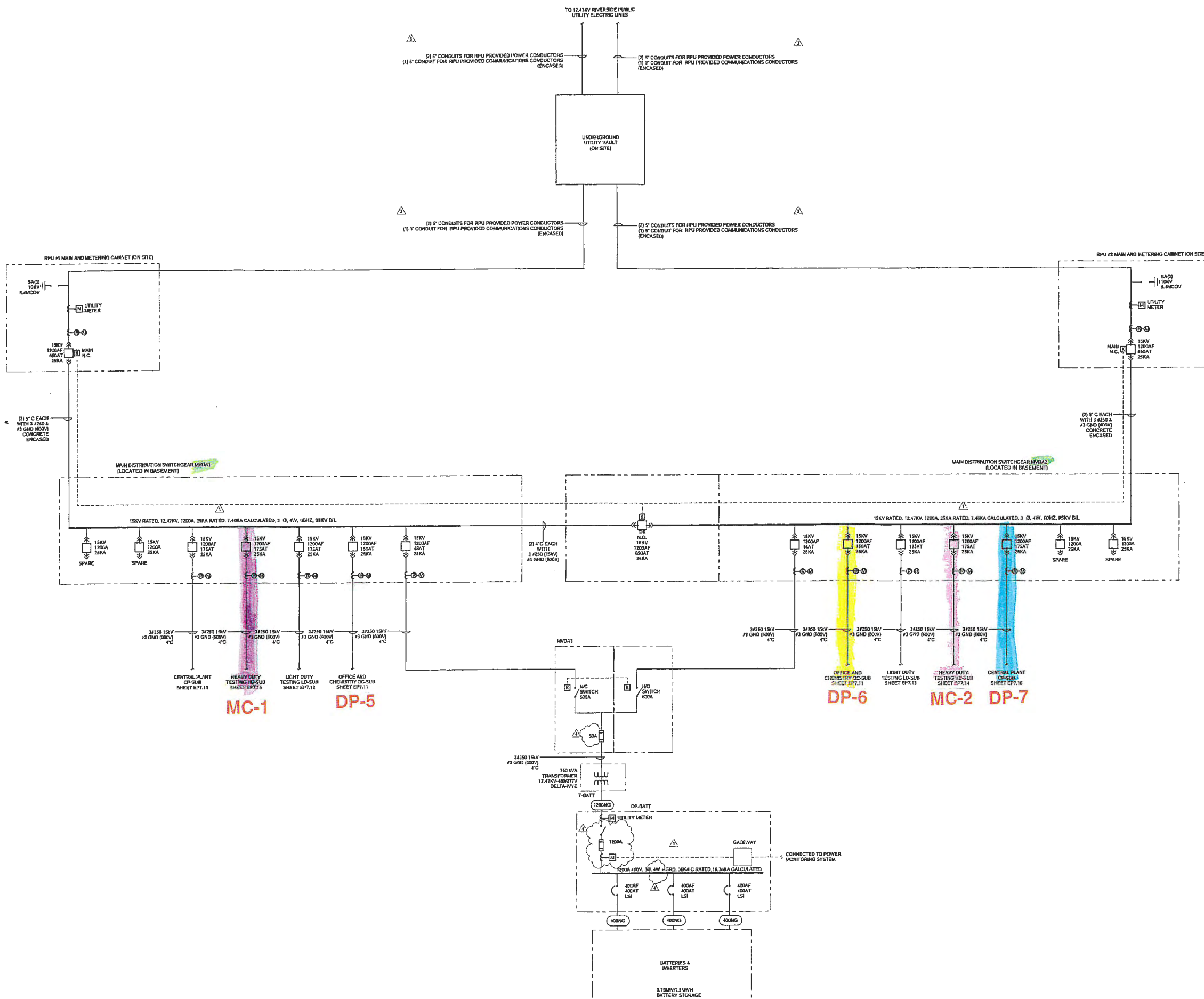


Revisions	No.	Issue	Date
1	Rev. Pkg #4B	11/02/18	
3	Bulletin #3	02/08/19	
4	Bulletin #4	03/29/19	

Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

Drawing Title
**MEDIUM VOLTAGE
ONE-LINE**



HERSEL-PHELPS
18150 Von Karmen Avenue
Suite 100
Irvine, CA 92612
T 949 852 0111
www.herselp Phelps.com

ZGF ARCHITECTS LLP
515 South Flower Street
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Los Angeles, CA 90071
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www.zgf.com

AFFILIATED ENGINEERS INC
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Pasadena, CA 91103
T 626 788 7838
www.aeinc.com

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TK18C
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T 213 807 8400
www.tk1sc.com

**LANDSCAPE
OJIB**
550 Lomas Santa Fe Drive
Suite A
Solana Beach, CA 92075
T 858 793 6970
www.oji.com

www.ojb.com
FIRE PROTECTION
MILLENHUM FIRE PROTECTION CORP.
2950 San Luis Rey Road
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1



Revisions		
No.	Issue	Date
1	Rev. Pkg #4B	11/02/18
3	Bulletin #3	02/08/19
4	Bulletin #4	03/29/19
11	Bulletin #11	08/23/19

Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

Ordering Title

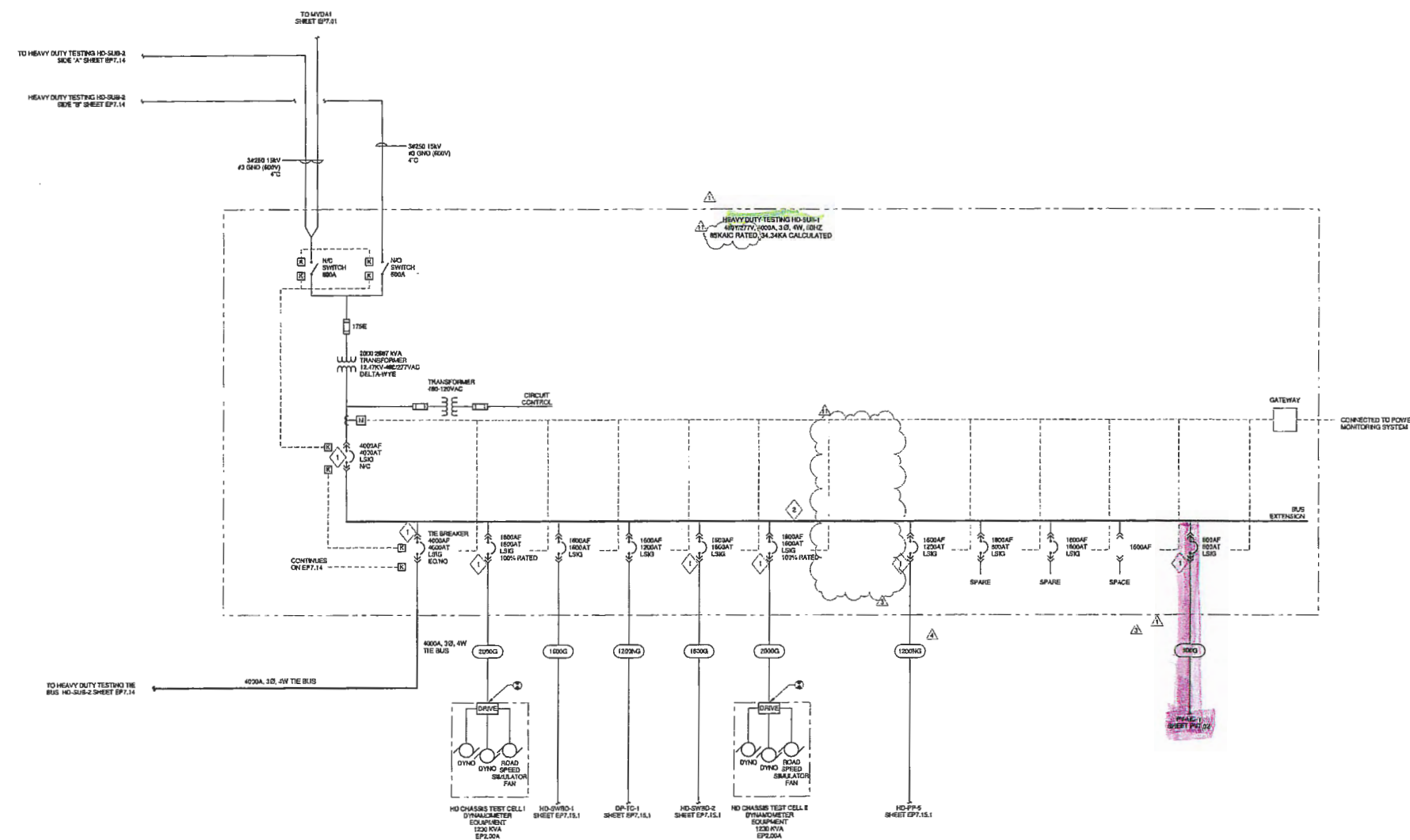
Date: 10/10/2018
Job No: 23192
Drawn By: PGJ
Checked By: C.O.D.L.J

Drawing No. _____

EP7.15
PACKAGE #4B
FOR CONSTRUCTION

SHEET KEYNOTES

1. PROVIDE CIRCUIT BREAKER WITH REVERSE FEED RATING.
2. PROVIDE METERING FOR ALL BREAKERS. METERING SHALL MEASURE CURRENT ONTO BUS FROM THE MAINS AND ALL FEEDERS WHEN MEASURED VALUE IS ABOVE THE BUS RATING. FEEDER BREAKERS SHALL BE SHUNT TRIPPED PER THE PRIORITY LOAD SHED SEQUENCE OF OPERATION DESCRIBED IN THE SPECIFICATIONS.



SHEET KEYNOTES

- 1. 15A CIRCUIT BREAKER WILL FEED BOTH CONTROL POWER TRANSFORMER AND PROVIDE CONNECTIVITY FOR VOLTAGE LEADS FOR CHARGE METERING. PROVIDE FUSED DISCONNECT TRANSFORMER.
- 2. PROVIDE (1) SCHNEIDER BH600 SERIES ETHERNET CONNECTED MULTIMETERING SYSTEM FOR EACH PV-DP. PROVIDE 480 TO 240 VOLT 50 VA CONTROL TRANSFORMER FOR EACH POINT. PROVIDE CTS FOR EACH THREE PHASE CONNECTED INVERTER.

GENERAL NOTES

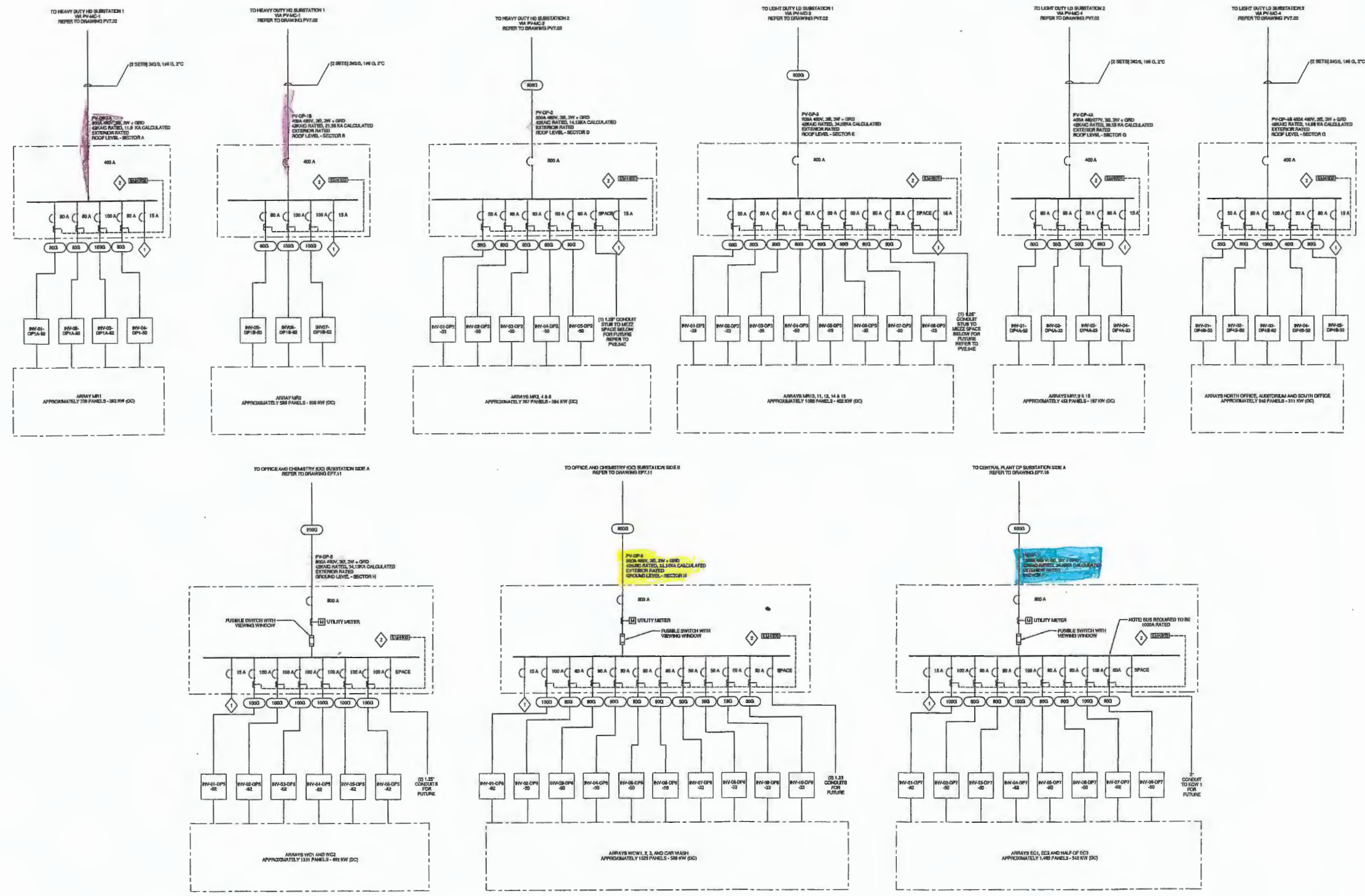
- 1. REFER TO PV7.02 FOR FEEDER SCHEDULE
- 2. REFER TO DRAWINGS PV6.01, PV6.02 AND PV6.03 FOR INVERTER AND STRING SCHEDULES
- 3. FOR SPECIFIC QUANTITIES OF PANELS CONNECTED TO EACH PV-DP, REFER TO STRING SCHEDULES

HENSEL PHELPS
Architects
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Irvine, CA 92612
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www.henselphelps.com

ZGF ARCHITECTS LLP
515 South Flower Street
Suite 3700
Los Angeles, CA 90071
T 213 417 1801
www.zgf.com

PHOTOVOLTAIC
CHALA VISTA ELECTRIC CO.
19 W Colorado Boulevard
Pasadena, CA 91105
T 626 798 7556
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CHALA VISTA ELECTRIC CO.
19 W Colorado Boulevard
Pasadena, CA 91105
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www.chala.com



Publications		
No.	Issue	Date
5	Bulletin #5	04/29/19
20	Bulletin #20	03/13/20
21	Bulletin #21	04/24/20

Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

Drawing Title
PHOTOVOLTAIC
ONE LINE
DIAGRAMS

Disc: 03/13/19
Rev No: 22/18
Drawn By: DM
Checked By: GW

Drawing No.
PV7.01
PACKAGE #4C
FOR CONSTRUCTION

3/12/2020 4:24:00 PM



Revisions	Issue	Date
1	Rev. Pkg #4B	11/02/19
3	Bulletin #3	02/08/19
4	Bulletin #4	03/29/19

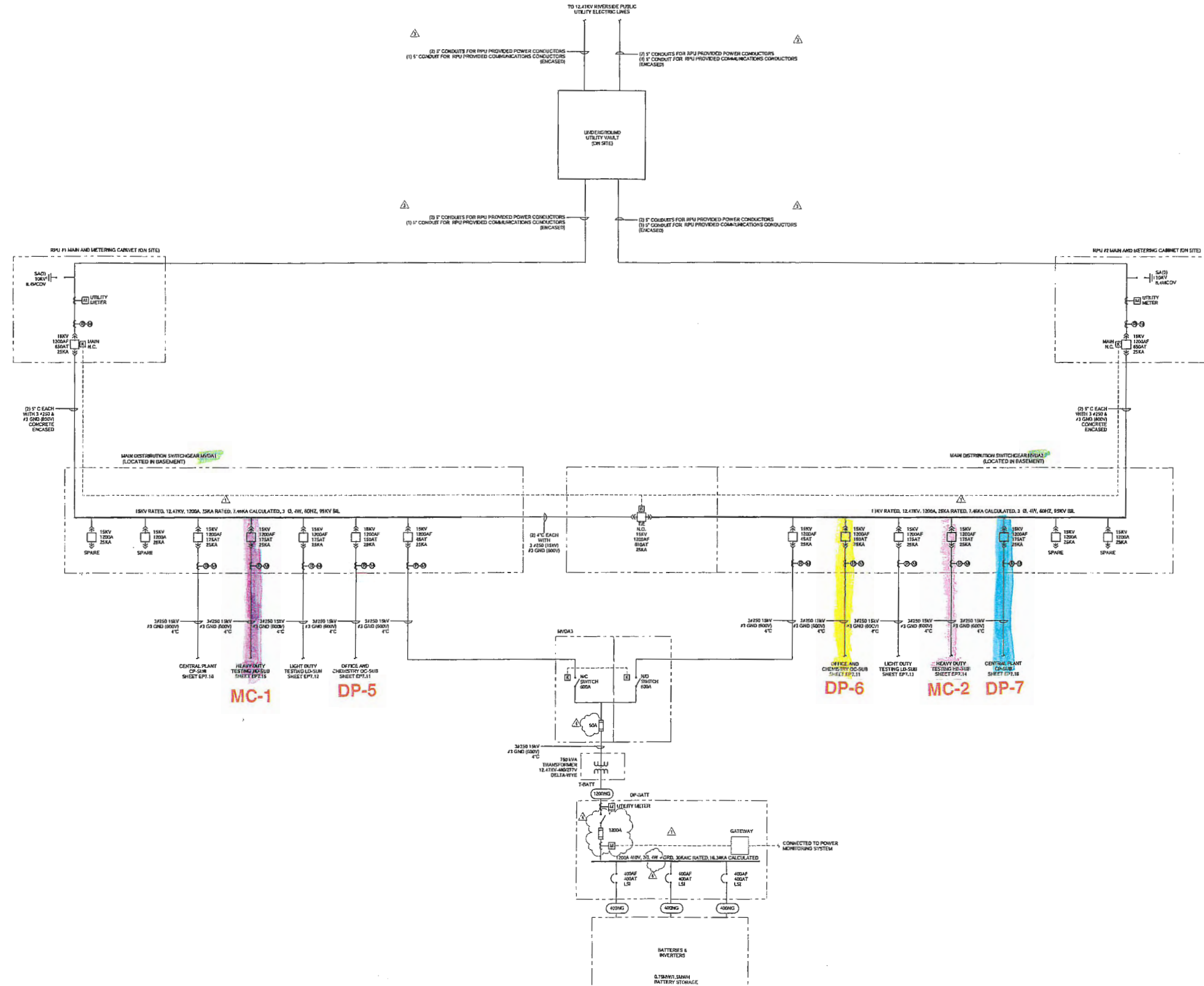
Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

Drawing Title
MEDIUM VOLTAGE
ONE-LINE

Date: 02/13/2019
Job No: 23192
Drawn By: RCB
Checked By: CDDJL

Drawing No.
EP7.01
PACKAGE #4B
FOR CONSTRUCTION



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www.zgf.com
AFFILIATED ENGINEERS INC
15111 Colorado Boulevard
Pasadena, CA 91103
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www.aeieng.com

Design: Bill Tamm
STRUCTURAL
KOFF
700 South Flower Street
Suite 2100
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BURKHARD & BURKHARD
222 N. Sepulveda Blvd.
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Beverly Hills, CA 90210
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www.burk.com
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700 South Flower Street
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8640 Kanan Drive
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San Diego, CA 92121
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www.murraycompany.com
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MILLERBURG FIRE PROTECTION CORP.
2550 San Luis Rey Road
Oceanside, CA 92058
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www.mfpc.us



Rev.	Rev.	Date
1	Rev. Pkg #4B	11/02/18
3	Bulletin #3	02/09/19
4	Bulletin #4	03/29/19
5	Bulletin #5	04/29/19
11	Bulletin #11	08/23/19

Air Resource Board
SCCP #140769
4001 Iowa Ave
Riverside, CA 92507

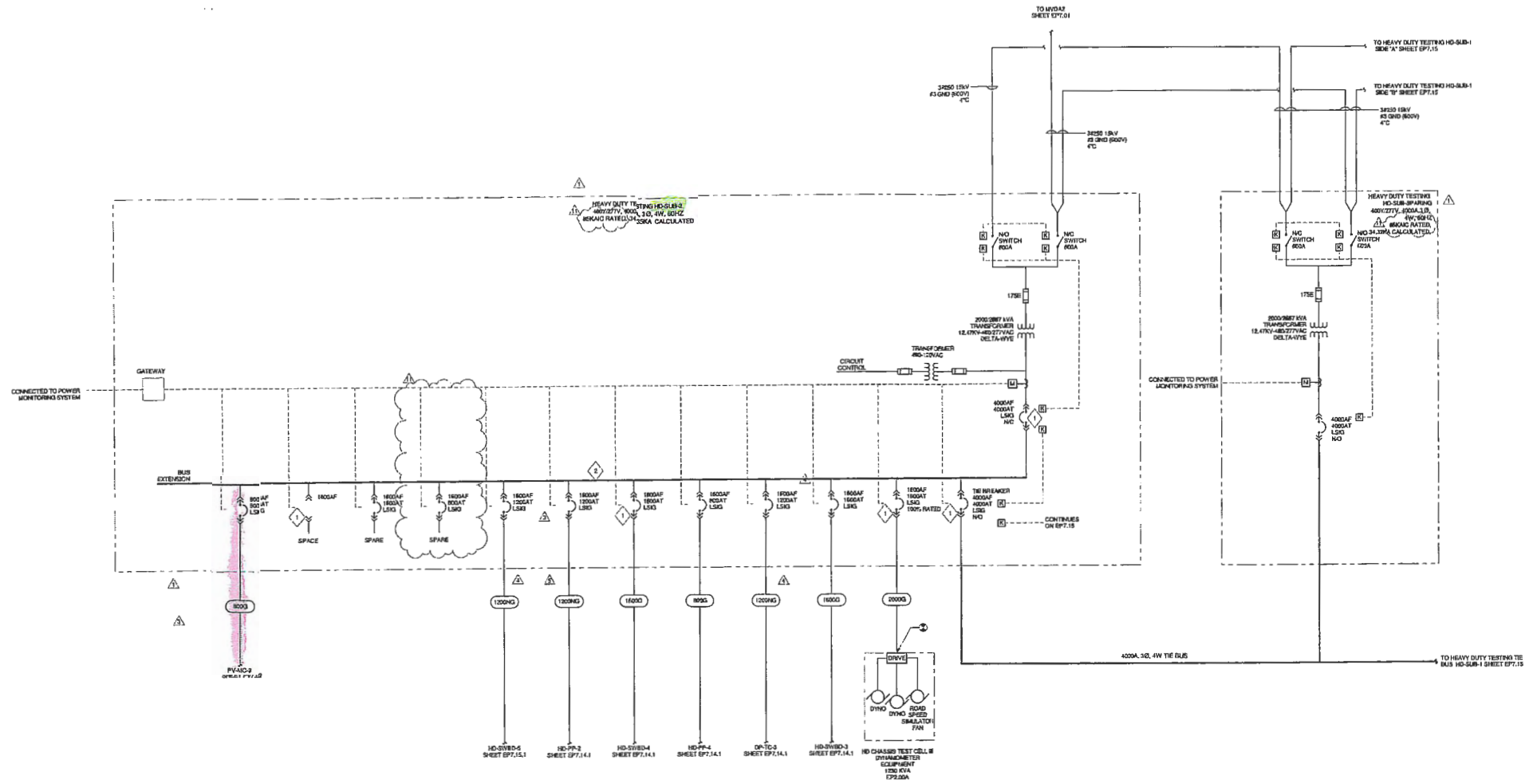
Drawing Title
HEAVY DUTY
ONE-LINE

Date: 10/10/2018
Job No: 23188
Drawn By: RGO
Checked By: CD/SLB

Drawing No.
EP7.14
PACKAGE #4B
FOR CONSTRUCTION

SHEET KEYNOTES

1. PROVIDE CIRCUIT BREAKER WITH REVERSE FEED BACK.
2. PROVIDE METERING FOR ALL BREAKERS. METERING SHALL MEASURE CURRENT ONTO BUS FROM THE MAINS AND ALL FEEDERS WHICH MEASURED VALUE IS ABOVE THE BUS RATING. FEEDER BREAKERS SHALL BE INSTANT TRIPPED PER THE PRIORITY LOAD SHED SEQUENCE OF OPERATION DESCRIBED IN THE SPECIFICATIONS.



02/10/2018 2:54:52 PM

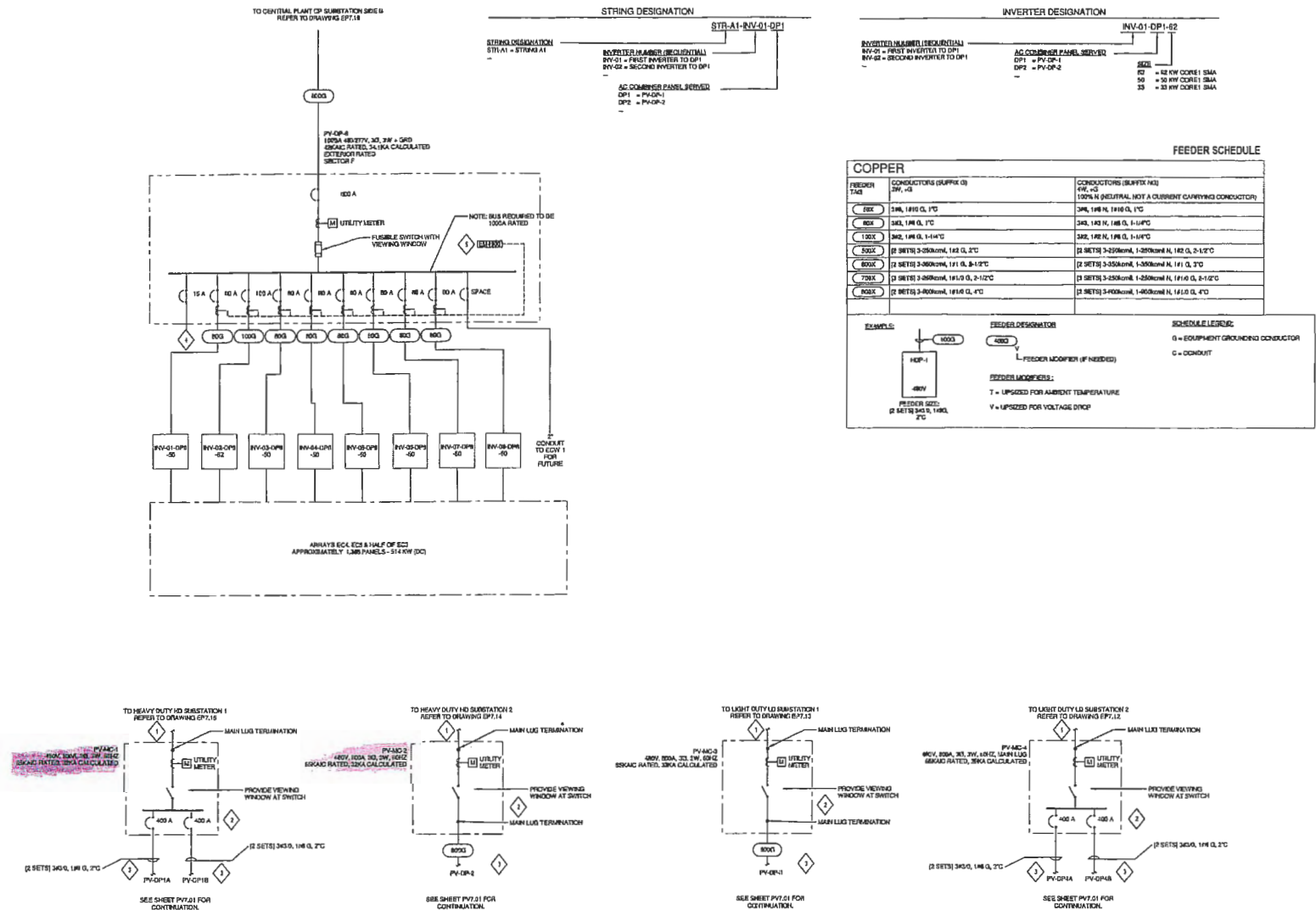
1. REFER TO DRAWINGS PV1.01, PV1.02 AND PV1.03 FOR INVERTER AND STRING SCHEDULES
2. FOR SPECIFIC QUANTITIES OF PANELS CONNECTED TO EACH PV-OP, REFER TO STRING SCHEDULES

1 CONDUIT AND WIRE PROVIDED BY ELECTRICAL CONTRACTOR

2 EQUIPMENT PROVIDED BY PV CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR

3. CONDUIT PROVIDED BY ELECTRICAL CONTRACTOR. WIRE PROVIDED BY PV CONTRACTOR
4. 15A CIRCUIT BREAKER WILL FUSE BOTH CONTROL POWER TRANSFORMER AND PROVIDE CONNECTIVITY FOR VOLTAGE LEADS FOR EMARQ METERING. PROVIDE FUSING FOR CONTROL TRANSFORMER
5. PROVIDE (1) SCHNEIDER EMARQ SERIES ETHERNET CONNECTED METER-METERING SYSTEM FOR EACH PV-OP. PROVIDE 480 TO 240 VOLT 50 VA CONTROL TRANSFORMER FOR EMARQ POWER. PROVIDE CTS FOR EACH THREE PHASE CONNECTED INVERTER.

PHOTOVOLTAIC
KULA VISTA ELECTRIC CO.
44 Wheatlands Rd.
Antise, CA 90017
www.C-V-E.com



Resource Board
CCP #140769

11 Iowa Ave
Berkeley, CA 94707

PHOTOVOLTAIC LINE GRAMS

Doc: 02/15/18
 Date: 2/1/18
 Drawn By: GWW
 Checked By: GWW

Working No.

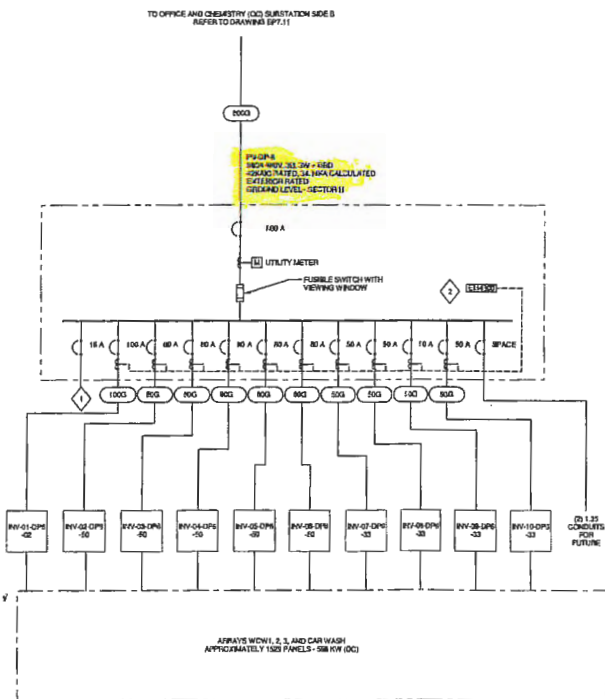
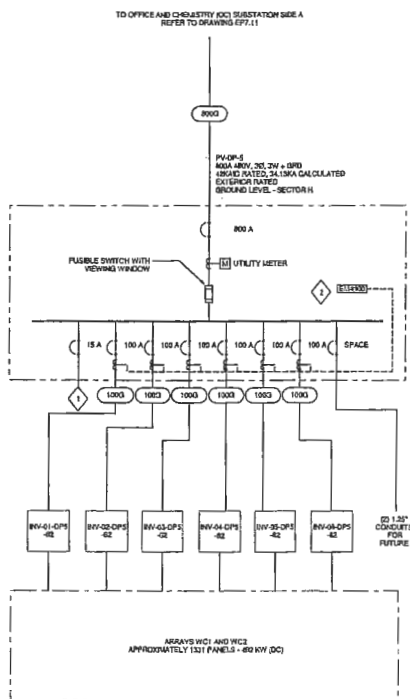
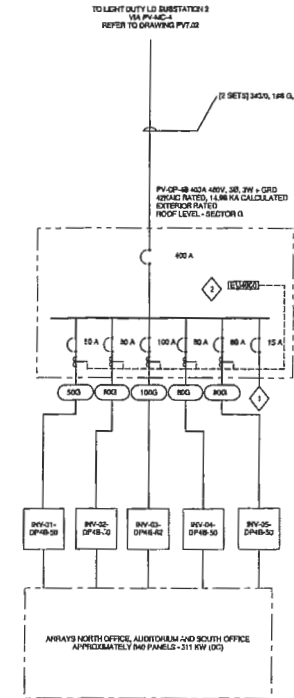
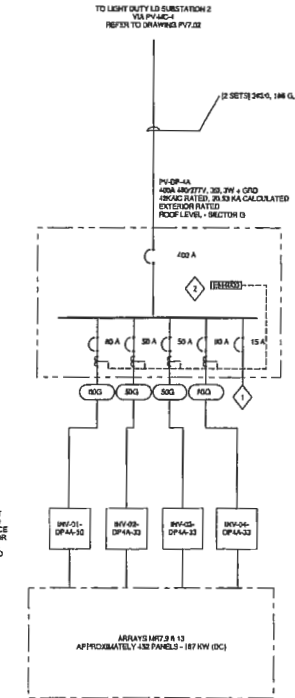
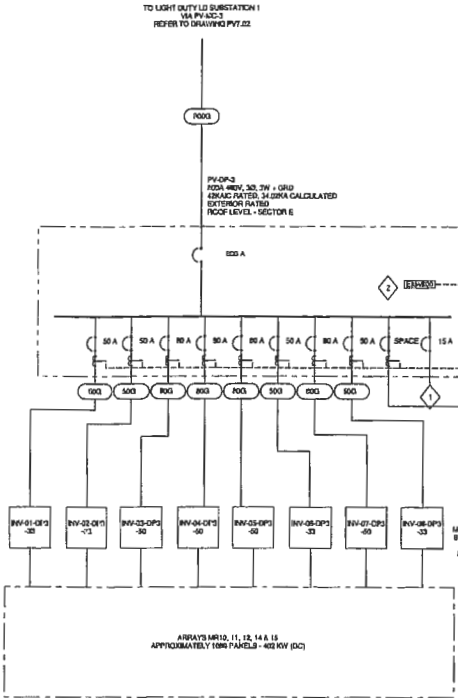
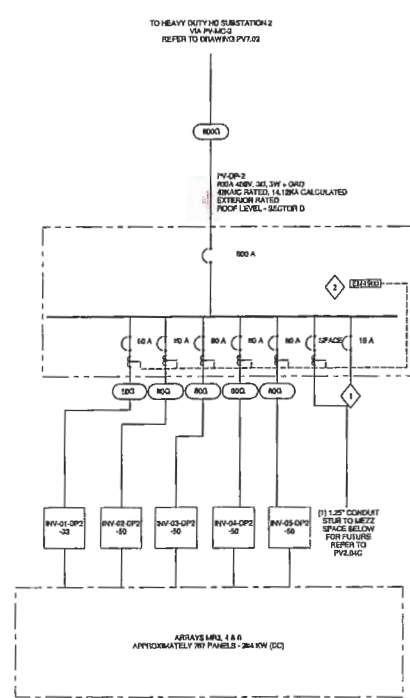
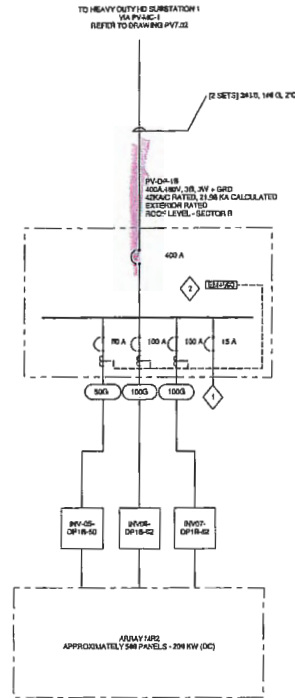
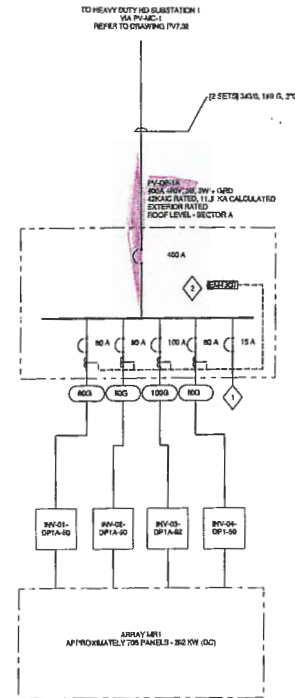
PV7.02
PACKAGE #4C
FOR CONSTRUCTION

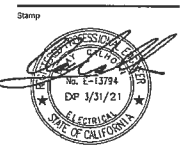
SHEET KEYNOTES

1. 15A CIRCUIT BREAKER WILL FEED BOTH CONTROL POWER TRANSFORMER AND PROVIDE CONNECTIVITY FOR VOLTAGE LEADS FOR METERING. PROVIDE FUSING FOR CONTROL TRANSFORMER.
2. PROVIDE (1) SCHNEIDER BLANK 800 SERIES CIRCUIT BREAKER FOR METERING SYSTEM FOR EACH PV-DP. PROVIDE 400 TO 240 VOLT 30 VA CONTROL TRANSFORMER FOR METERING POWER. PROVIDE CTS FOR EACH THREE PHASE CONNECTED INVERTER.

GENERAL NOTES

1. REFER TO PV7.08 FOR FEEDER SCHEDULE.
2. REFER TO DRAWINGS PV7.01, PV7.02 AND PV7.03 FOR INVERTER AND SITTING SCHEDULES.
3. FOR SPECIFIC QUANTITIES OF PANELS CONNECTED TO EACH PV-DP, REFER TO SITTING SCHEDULES.





Revisions	No.	Issue	Date
1	Rev. Pkg #4B		11/02/18
3	Bulletin #3		02/08/19
4	Bulletin #4		03/29/19

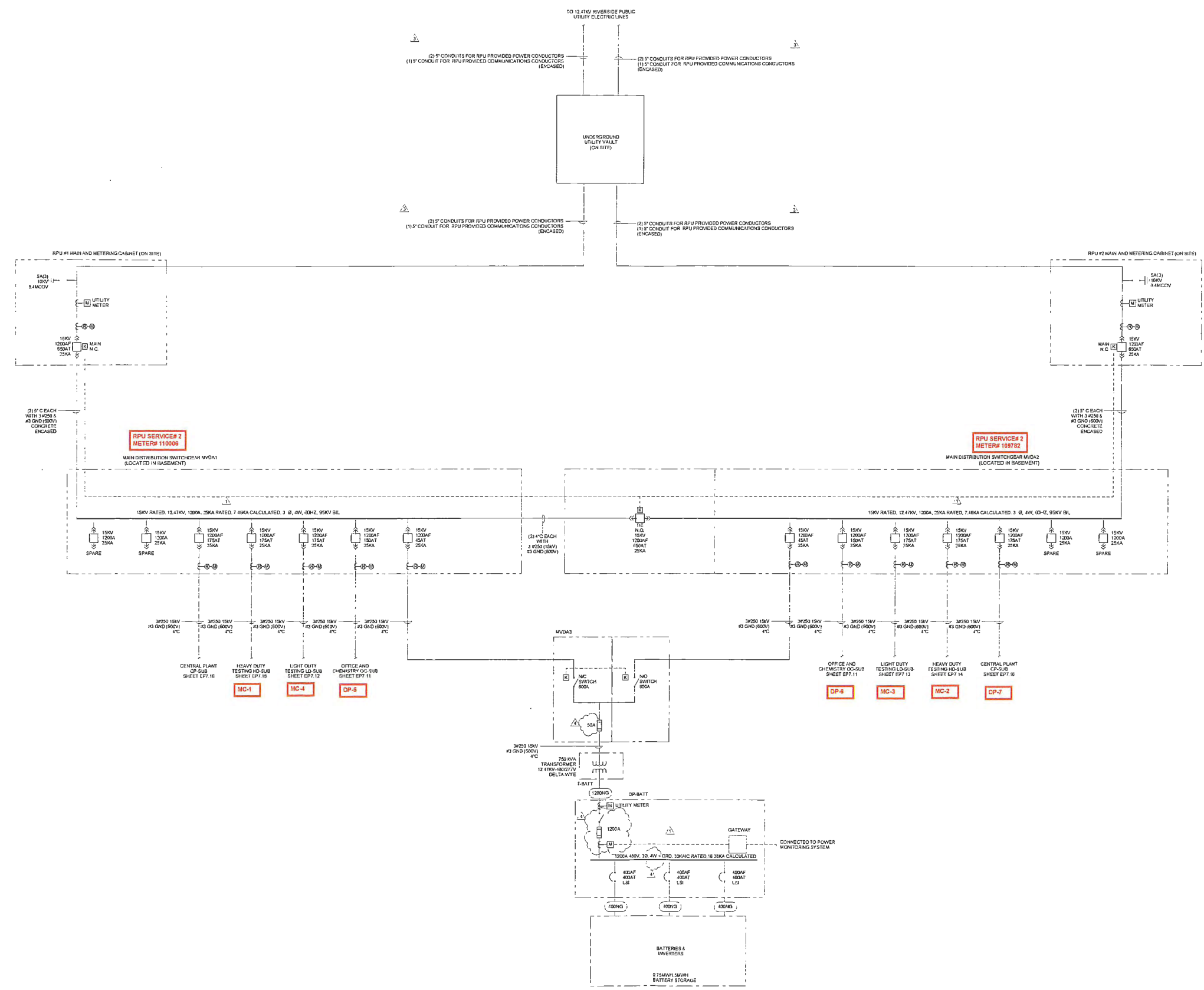
Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

Drawing Title
MEDIUM VOLTAGE
ONE-LINE

Date: 09/13/2019
Job No: 23192
Drawn By: RGG
Checked By: CQDLS

Drawing No.
EP7.01
PACKAGE #4B
FOR CONSTRUCTION



3/29/2019 11:11:37 AM

1. PROVIDE CIRCUIT BREAKER WITH REVERSE FEED RATING
2. PROVIDE METERING FOR ALL BREAKERS. METERING SHALL MEASURE CURRENT ONTO BUS FROM THE MAINS AND ALL FEEDERS WHEN MEASURED VALUE IS ABOVE THE BUS RATING FEEDER BREAKERS SHALL BE SHUNT TRIPPED PER THE PRIORITY LOAD SHED SEQUENCE OF OPERATION DESCRIBED IN THE SPECIFICATIONS



Stamp



Stamp

Revisions		
No.	Issue	Date
1	Rev. Pkg #4B	11/02/18
3	Bulletin #3	02/08/19
4	Bulletin #4	03/29/19
11	Bulletin #11	08/23/19

Air Resource Board
SCCP #140769

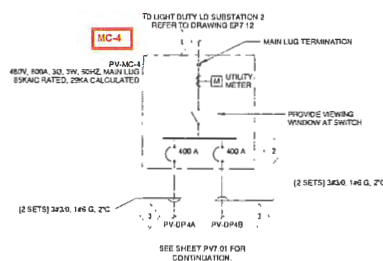
4001 Iowa Ave
Riverside, CA 92507

Drawing Title
LIGHT DUTY
ONE-LINE

Date: 10/10/2018
Job No: 23192
Drawn By: RGG
Checked By: CDDLB

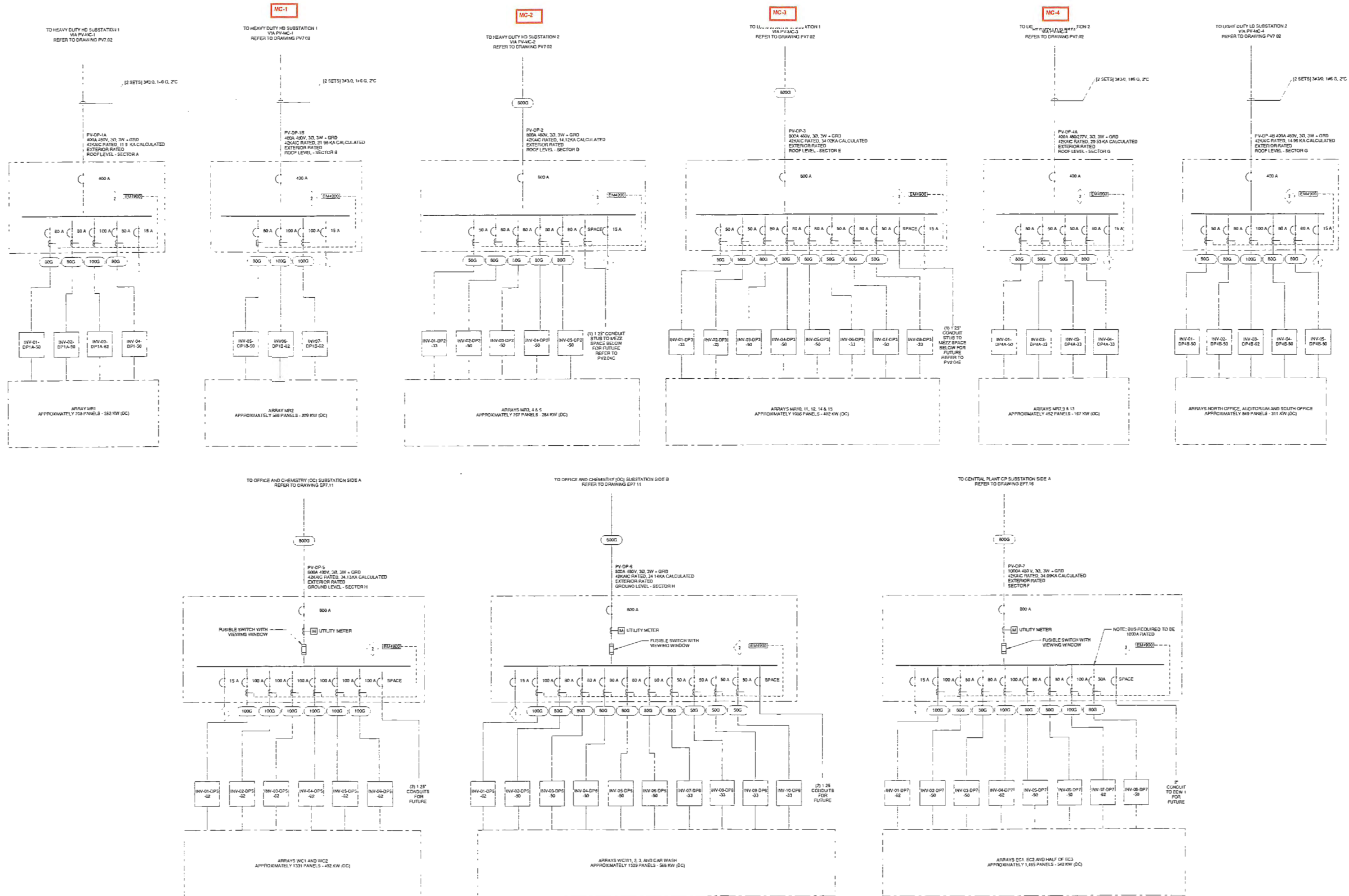
Drawing No. _____

EP7.13
PACKAGE #4B
FOR CONSTRUCTION!



PV7.02
PACKAGE #4C
FOR CONSTRUCTION

3/12/2021 4:54:05 PM



SHEET KEYNOTES

1. 15A CIRCUIT BREAKER WILL FEED BOTH CONTROL POWER TRANSFORMER AND PROVIDE CONNECTIVITY FOR VOLTAGE LEADS FOR GROUND METERING. PROVIDE FUSING FOR CONTROL TRANSFORMER.
2. PROVIDE (1) SCHNEIDER EMX200 SERIES ETHERNET CONNECTED METERING SYSTEM FOR EACH PV-OP. PROVIDE 4-6 TO 240 VOLT 50 VA CONTROL TRANSFORMER FOR EMX200 POWER. PROVIDE CT'S FOR EACH THREE PHASE CONNECTED INVERTER.

GENERAL NOTES

1. REFER TO PV7-02 FOR FEEDER SCHEDULE.
2. REFER TO DRAWINGS PV8-01, PV8-02 AND PV8-03 FOR INVERTER AND STRING SCHEDULES.
3. FOR SPECIFIC QUANTITIES OF PANELS CONNECTED TO EACH PV-OP, REFER TO STRING SCHEDULES.

Stamp

Revisions	No.	Issue	Date
5	Bulletin #5	04/29/19	
20	Bulletin #20	03/13/20	
21	Bulletin #21	04/24/20	

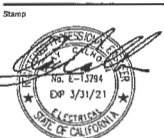
Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

Drawing Title
PHOTOVOLTAIC
ONE LINE
DIAGRAMS

Date: 03/31/19
Job No: 23192
Drawn By: DW
Checked By: GW

Drawing No.
PV7.01
PACKAGE #4C
FOR CONSTRUCTION

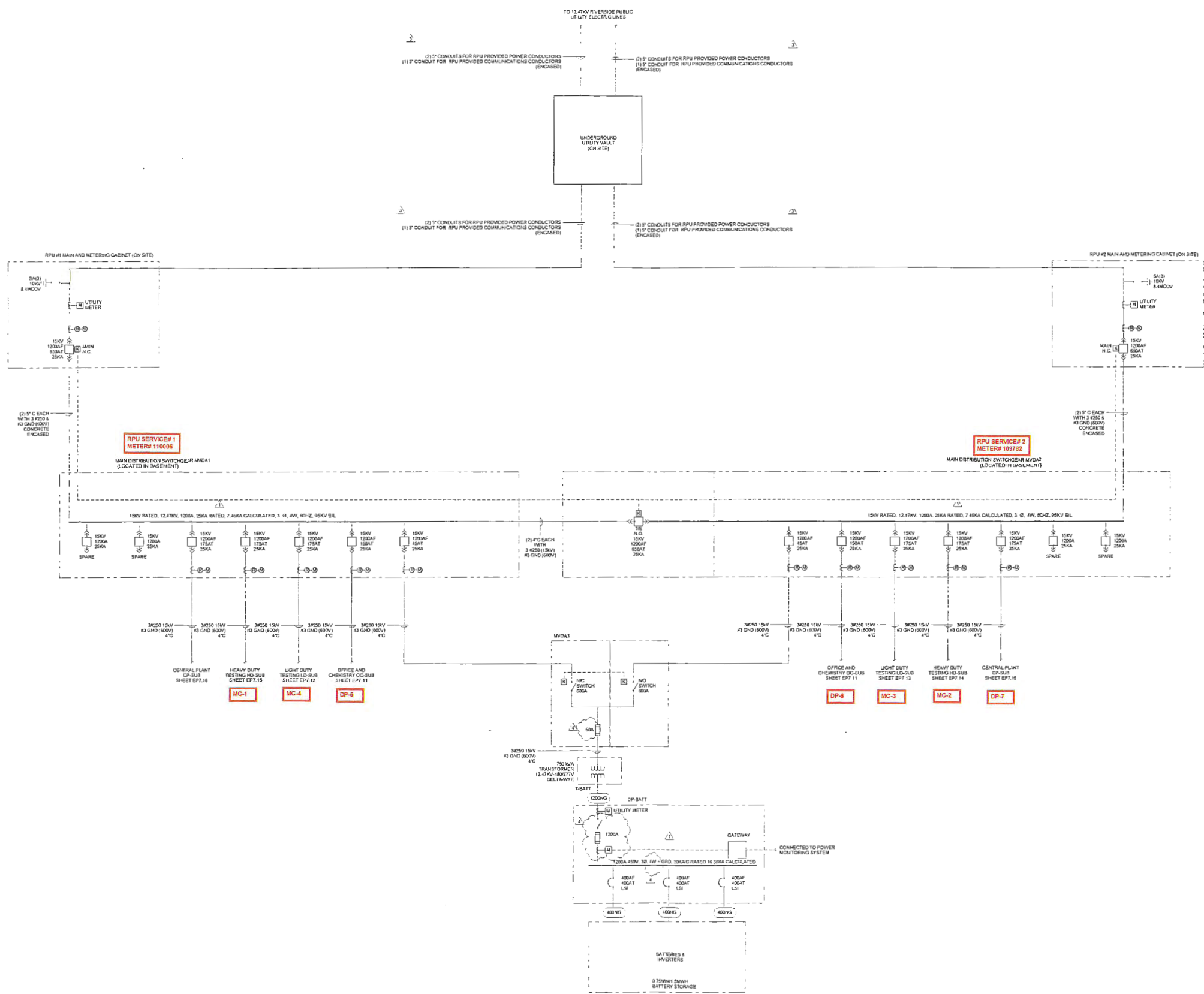


Revisions	No.	Issue	Date
1	Rev. Pkg #4B	11/02/18	
3	Bulletin #3	02/08/19	
4	Bulletin #4	03/29/19	

Air Resource Board
SCCP #140769
4001 Iowa Ave
Riverside, CA 92507
Drawing Title
MEDIUM VOLTAGE
ONE-LINE

Date: 03/13/2019
Job No: 23192
Drawn By: RGG
Checked By: CD/ELB

Drawing Title
EP7.01
PACKAGE #4B
FOR CONSTRUCTION



3/29/2019 11:11:37 AM



Revisions	No.	Date
1	Rev. Pkg #4B	11/02/18
3	Bulletin #3	02/09/19
11	Bulletin #11	08/23/19

Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

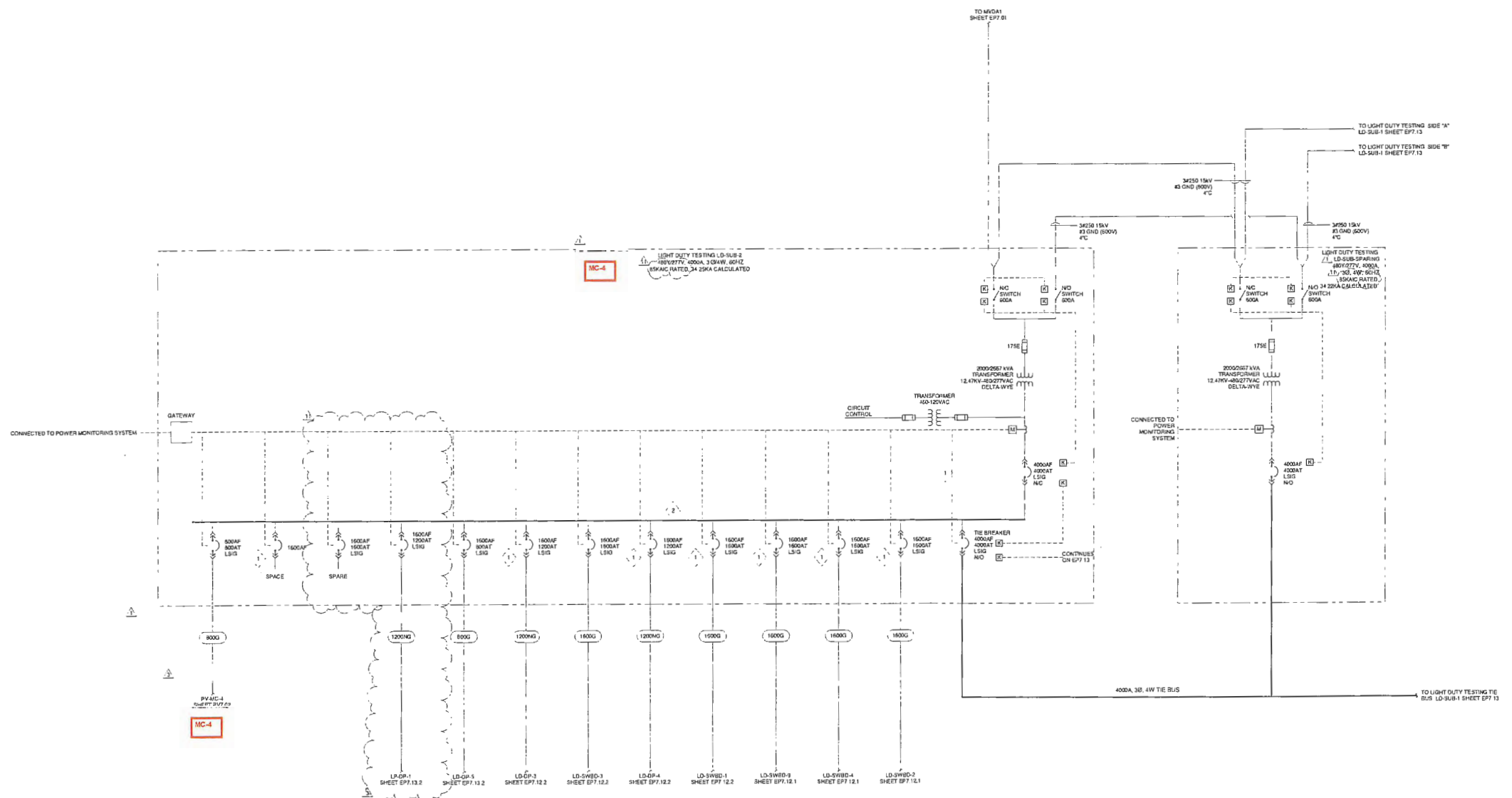
Drawing Title
LIGHT DUTY
ONE-LINE

Date: 10/19/2018
Job No: 23162
Drawn By: RGJ
Checked By: CDDJ

Drawing No.
EP7.12
PACKAGE #4B
FOR CONSTRUCTION

SHEET KEYNOTES

1. PROVIDE CIRCUIT BREAKER WITH REVERSE FEED RATING.
2. PROVIDE METERING FOR ALL BREAKERS. METERING SHALL MEASURE CURRENT ONTO BUS FROM THE MAIN AND ALL FEEDERS WHEN MEASURED VALUE IS ABOVE THE BUS RATING. FEEDER BREAKERS SHALL BE SHUNT TRIPPED PER THE PRIORITY LOAD SHED SEQUENCE OF OPERATION DESCRIBED IN THE SPECIFICATIONS.

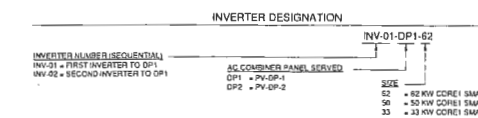
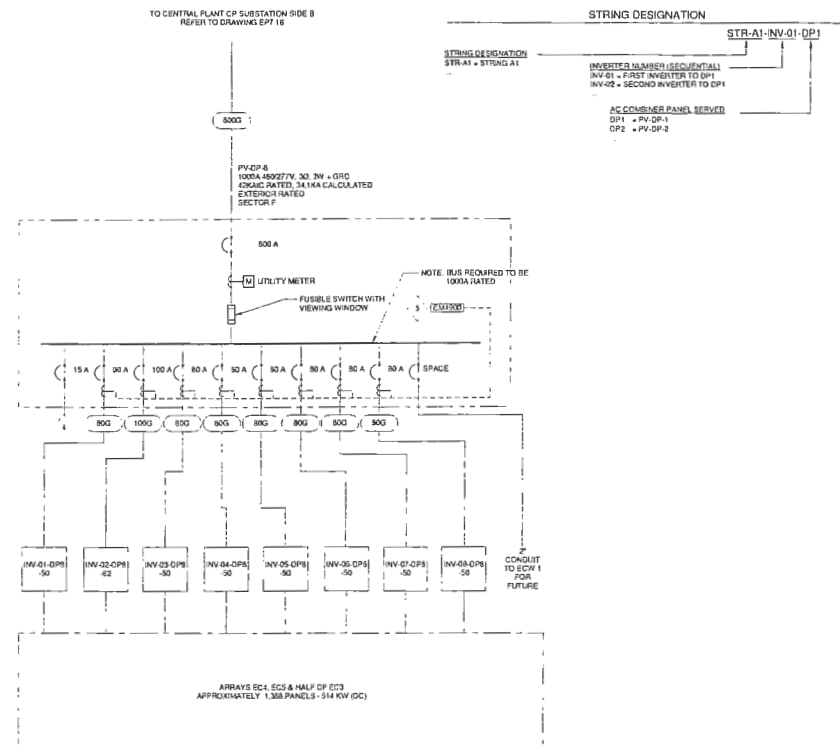


GENERAL NOTES

1. REFER TO DRAWINGS PVS-01, PVS-02 AND PVS-03 FOR INVERTER AND STRING SCHEDULES
2. FOR SPECIFIC QUANTITIES OF PANELS CONNECTED TO EACH PV OP, REFER TO STRING SCHEDULES

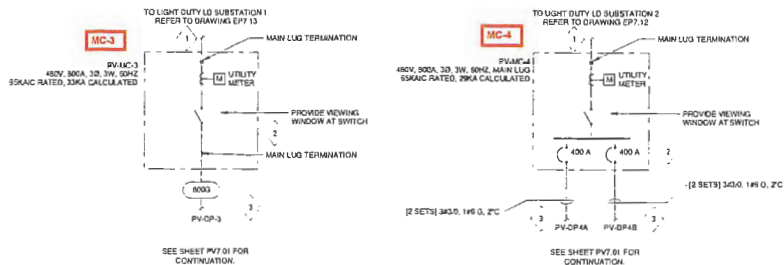
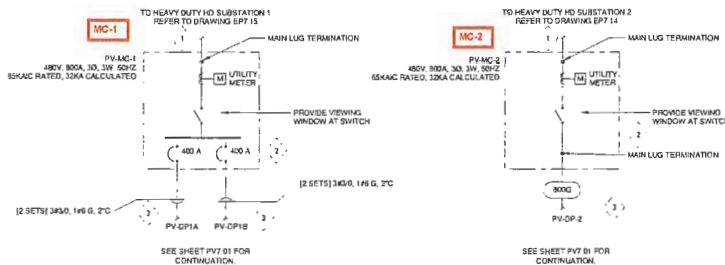
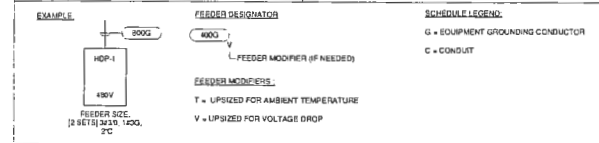
SHEET KEYNOTES

1. CONDUIT AND WIRE PROVIDED BY ELECTRICAL CONTRACTOR
2. EQUIPMENT PROVIDED BY PV CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR
3. CONDUIT PROVIDED BY ELECTRICAL CONTRACTOR, WIRE PROVIDED BY PV CONTRACTOR
4. 15A CIRCUIT BREAKER WILL FEED BOTH CONTROL POWER TRANSFORMER AND PROVIDE CONNECTIVITY FOR VOLTAGE LEADS FOR EMAPRO METERING. PROVIDE FUSING FOR CONTROL TRANSFORMER
5. PROVIDE (1) SCHNEIDER EM400 SERIES ETHERNET CONNECTED MULTIMETERING SYSTEM FOR EACH PV OP. PROVIDE 140 TO 340 VOLT 50 VA CONTROL TRANSFORMER FOR EMAPRO POWER. PROVIDE CTS FOR EACH THREE PHASE CONNECTED INVERTER.



FEEDER SCHEDULE

FEEDER TAC	CONDUCTORS (SUFFIX Q)	CONDUCTORS (SUFFIX Q)
500	340, 140 G, 1" C	340, 140 N, 140 G, 1" C
800	340, 140 G, 1" C	340, 140 N, 140 G, 1" C
1000	340, 140 G, 1" C	340, 140 N, 140 G, 1" C
800	(3 SETS) 3-250kcmil, 140 G, 2" C	(3 SETS) 3-250kcmil, 140 G, 2" C
800	(3 SETS) 3-250kcmil, 140 G, 2" C	(3 SETS) 3-250kcmil, 140 G, 2" C
800	(3 SETS) 3-250kcmil, 140 G, 2" C	(3 SETS) 3-250kcmil, 140 G, 2" C
800	(3 SETS) 3-250kcmil, 140 G, 2" C	(3 SETS) 3-250kcmil, 140 G, 2" C
800	(3 SETS) 3-250kcmil, 140 G, 2" C	(3 SETS) 3-250kcmil, 140 G, 2" C



Revisions

No.	Issue	Date
5	Bulletin #5	04/29/19
20	Bulletin #20	03/13/20
21	Bulletin #21	04/24/20

Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

Drawing Title
PHOTOVOLTAIC
ONE LINE
DIAGRAMS

Date: 03/13/19
Job No: 23192
Drawn By: GW
Checked By: GW

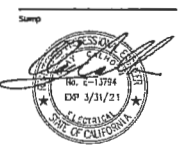
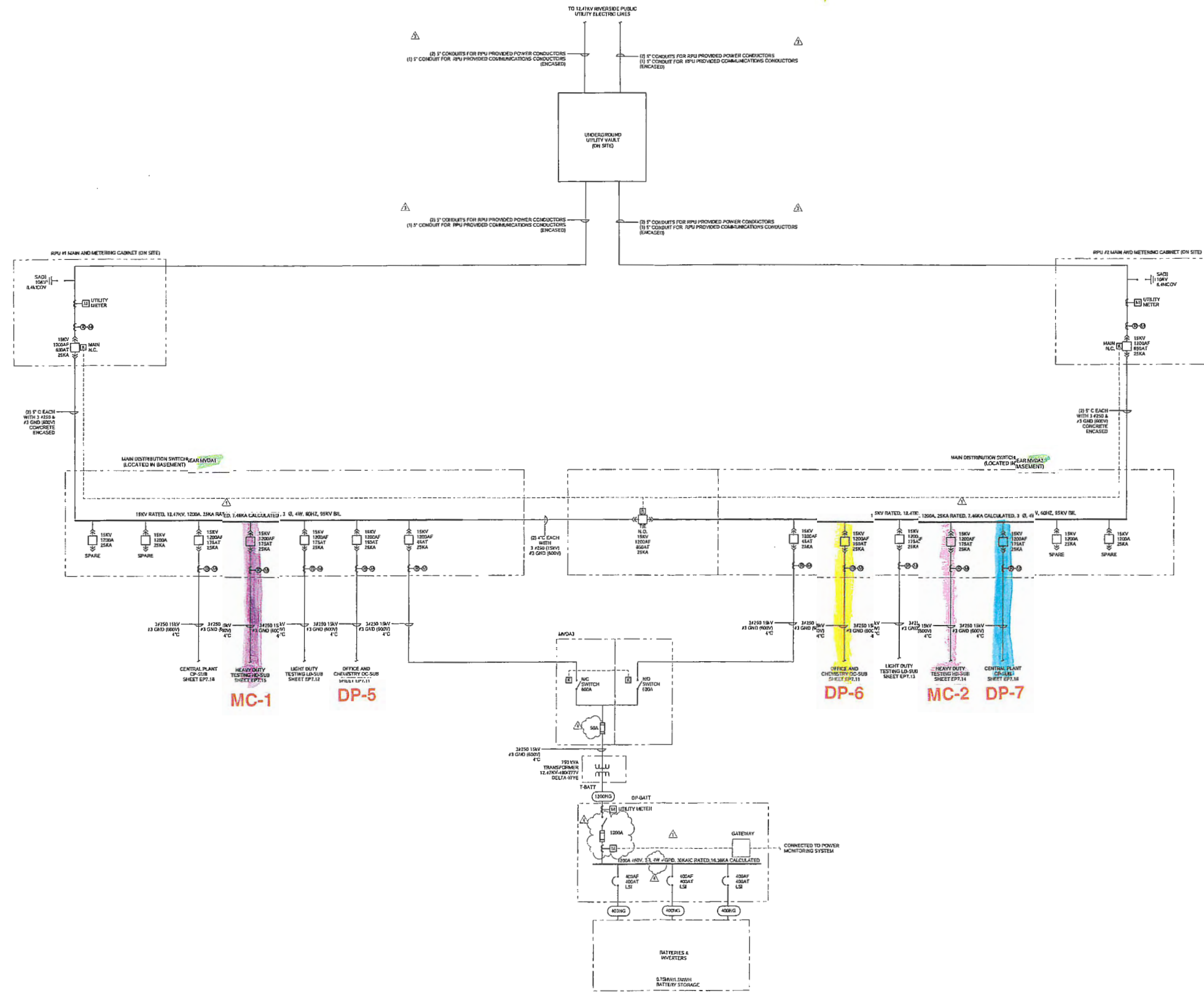
Drawing No
PV7.02
PACKAGE #4C
FOR CONSTRUCTION

- ZGF**
AEI Affiliated Engineers
- HENSEL PHELPS**
16650 Von Karman Avenue
Suite 100
Irvine, CA 92612
T 949 852 6111
www.henselphelps.com
- ZGF ARCHITECTS LLP**
515 South Flower Street
Suite 3700
Los Angeles, CA 90071
T 213 617 1901
www.zgf.com
- AFFILIATED ENGINEERS INC**
19 W Colorado Boulevard
Pasadena, CA 91105
T 626 798 7636
www.aeieng.com



Date: 02/13/19
Job No: 23182
Drawn By: DW
Checked By: GW

PV7.01
PACKAGE #4C
FOR CONSTRUCTION



Revisions	No.	Issued	Date
1	Rev. Pkg #4B		11/02/18
3	Bulletin #3		02/09/19
4	Bulletin #4		03/29/19

Air Resource Board
SCCP #140769

4001 Ioway Ave
Riverside, CA 92507

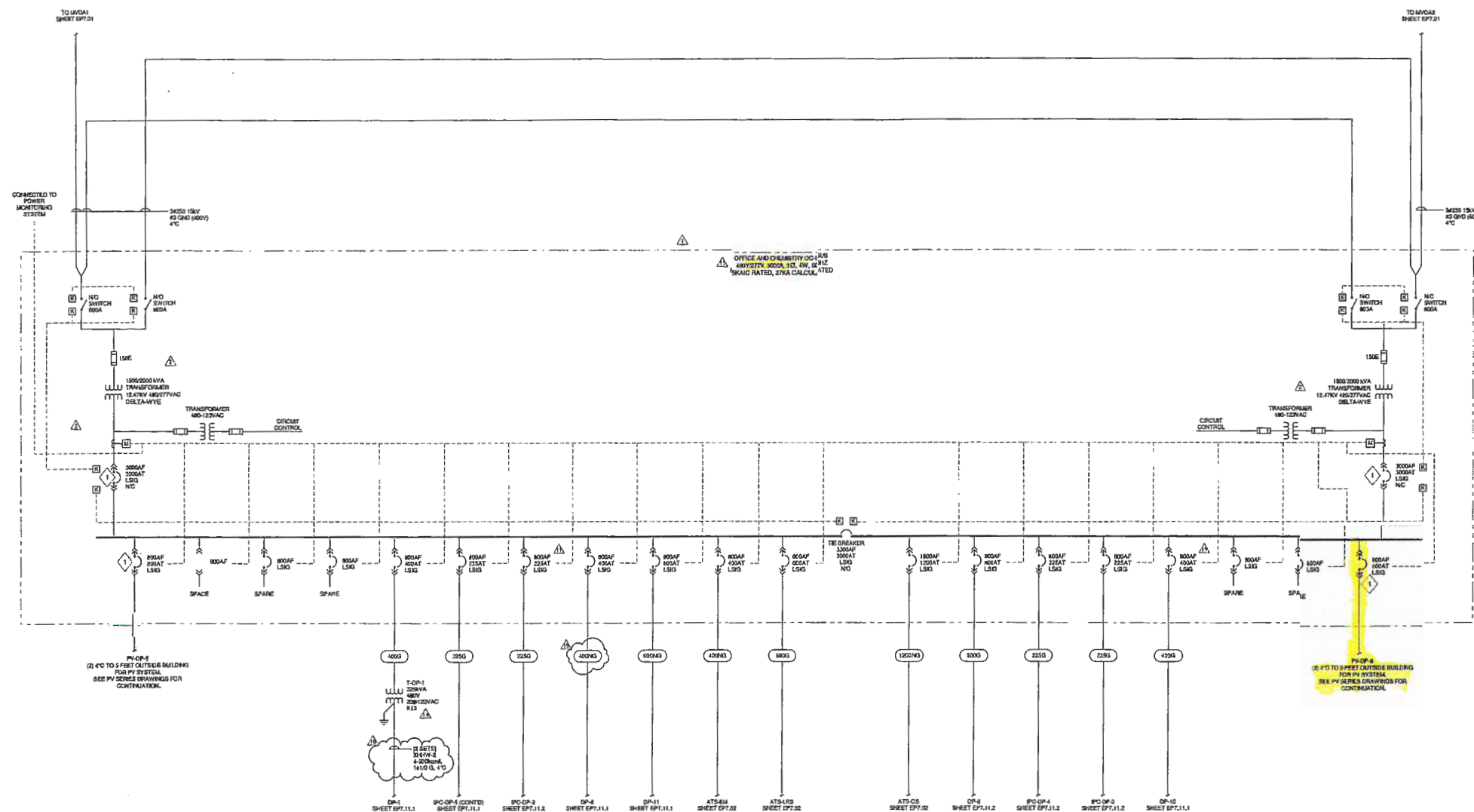
Drawing Title
MEDIUM VOLTAGE ONE-LINE

Date: 02/12/2019
Job No: 23192
Drawn By: RGG
Checked By: CDR/LB

Drawing No.
EP7.01
PACKAGE #4B
FOR CONSTRUCTION

3/28/2019 11:11:27 AM

1 PROVIDE CIRCUIT BREAKER WITH REVERSE FEED RATING.



Revisions		
No.	Issue	Date
1	Rev. Pkg #4B	11/02/18
2	Bulletin #2	12/14/18
11	Bulletin #11	08/23/19
14	Bulletin #14	09/27/19
19	Bulletin #19	01/17/20

Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

Drawing Title
OFFICE AND
CHEMISTRY
ONE-LINE

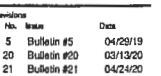
Date: 10/10/2019
Job No: 22192
Drawn By: RGG
Checked By: CDDLB

Drawing No.

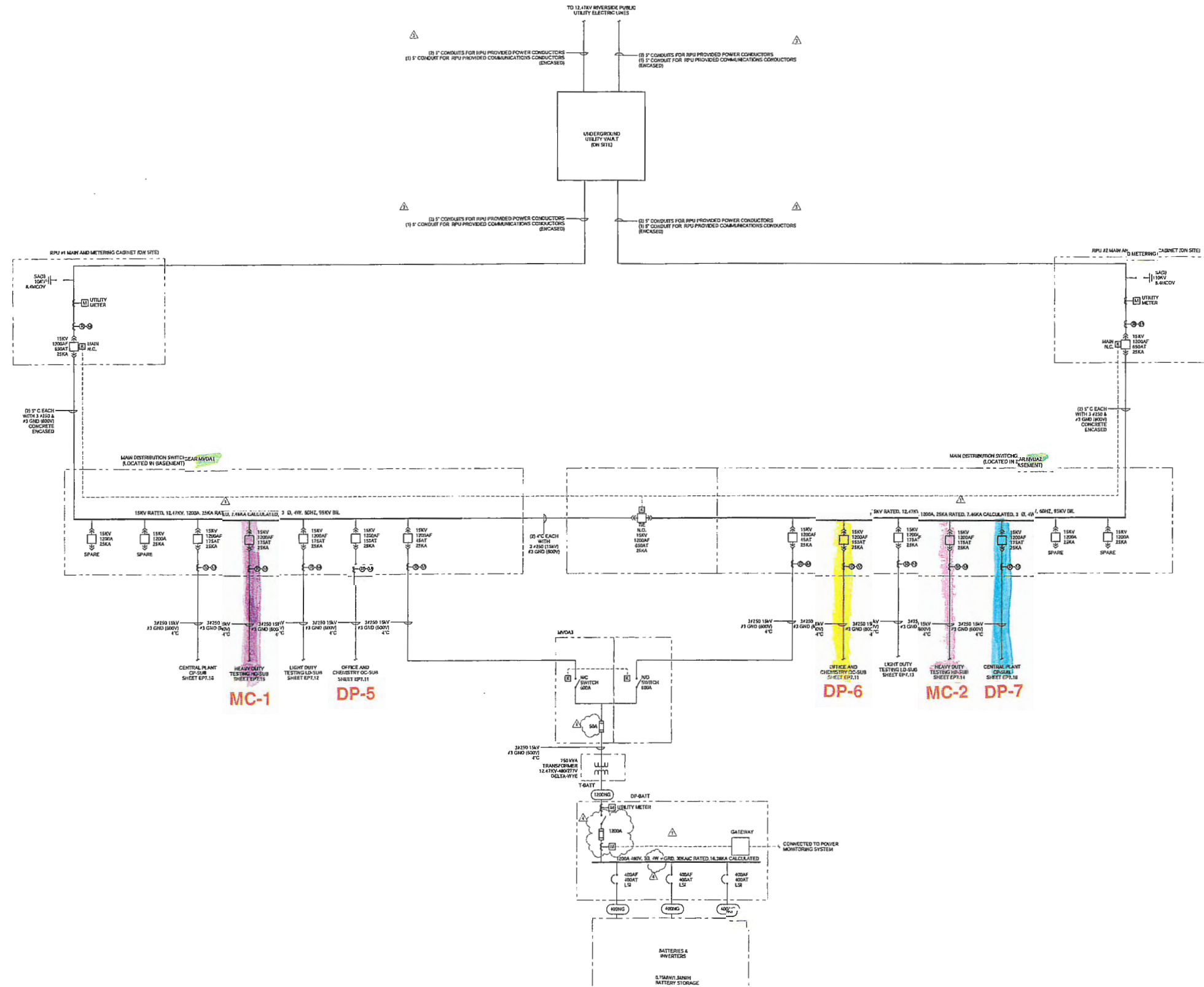
EP7.11
PACKAGE #4B
FOR CONSTRUCTION

GENERAL NOTES

1. REFER TO PV7.01 FOR FEEDER SCHEDULE
2. REFER TO DRAWINGS PVL01, PVL02 AND PVL03 FOR INVERTER AND STRING SCHEDULES
3. FOR SPECIFIC QUANTITIES OF PANELS CONNECTED TO EACH PV-OP, REFER TO STRING SCHEDULES



PV7.01
PACKAGE #4C
FOR CONSTRUCTION



HENSEL PHELPS
18850 Von Karman Avenue
Suite 100
Irvine, CA 92612
T 949 852 0111
www.henselpelphs.com

ZGF
615 South Flower Street
Suite 3700
Los Angeles, CA 90071
T 213 617 1901
www.zgf.com

AFFILIATED ENGINEERS INC
85 N. Raymond Avenue
Suite 240
Pasadena, CA 91103
T 626 798 7626
www.aeieng.com

Design Build Team

STRUCTURAL
KPF
700 South Flower Street
Suite 2100
Los Angeles, CA 90017
T 310 605 1536
www.kpf.com

BUEHLER & BUEHLER
222 N. Sepulveda Blvd.
Suite 1700
El Segundo, CA 90245
T 415 495 1625
www.bbe.com

CIVIL
KPF
700 South Flower Street
Suite 2100
Los Angeles, CA 90017
T 310 605 1536
www.kpf.com

MECHANICAL
ACCO
9540 Karman Drive
Suite 406
San Diego, CA 92121
T 619 510 9249
www.acco.com

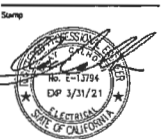
ELECTRICAL/LOW VOLTAGE
MORROW MEADOWS
231 Benton Court
City of Industry, CA 91789
T 909 596 7700
www.morrownm.com

PLUMBING
MURRAY COMPANY
18414 South Santa Fe Ave
Rancho Dominguez, CA 90221
T 310 637 1500
www.murraycompany.com

LIFE SAFETY
TK15C
515 South Figueroa Street
Suite 1400
Los Angeles, CA 90071
www.tk15c.com

LANDSCAPE
OJB
550 Lomas Santa Fe Drive
Suite A
Solana Beach, CA 92075
T 619 733 0870
www.ojb.com

FIRE PROTECTION
MILLENNIUM FIRE PROTECTION CORP.
2950 San Luis Rey Road
Oceanside, CA 92058
T 760 722 2722
www.mfpc.com



Revisions	No.	Issue	Date
1	Rev. 1	Fig #1B	11/02/18
3	Blade 1		02/08/19
4	Blade 1		03/29/19

Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

Drawing Title
MEDIUM VOLTAGE
ONE-LINE

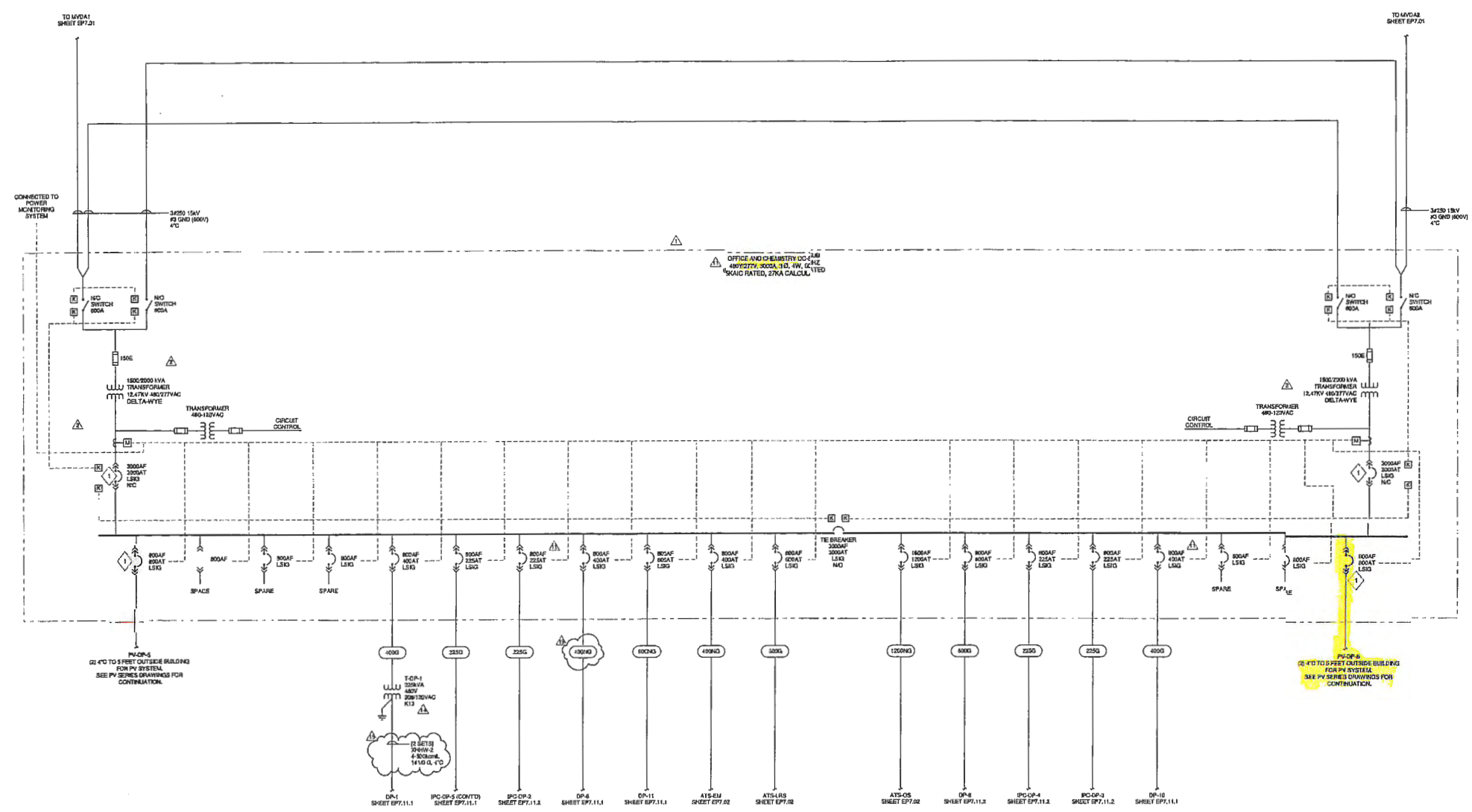
Date: 03/12/2019
Job No: 23192
Drawn By: RCG
Checked By: COOLA

Drawing No.
EP7.01
PACKAGE #4B
FOR CONSTRUCTION

3/12/2019 11:13:37 AM

SHEET KEYNOTES

PROVIDE CIRCUIT BREAKER WITH REVERSE FEED INDICATOR



HENSEL PHELPS
P.L.L.C.
18550 Von Karman Avenue
Suite 100
Irvine, CA 92612
T 949 852 0111
www.henselphelps.com

ZGF
Architects
19114 South Santa Fe Avenue
Suite 200
Rancho Dominguez, CA 90221
T 310 655 1535
www.zgf.com

APPLIED ENGINEERS INC
19114 South Santa Fe Avenue
Suite 200
Rancho Dominguez, CA 90221
T 310 655 1535
www.aei.com

Design Build Team

STRUCTURAL
KPF
700 South Flower Street
Suite 2100
Los Angeles, CA 90017
T 310 655 1535
www.kpf.com

MECHANICAL
KPF
700 South Flower Street
Suite 2100
Los Angeles, CA 90017
T 310 655 1535
www.kpf.com

ELECTRICAL/LOW VOLTAGE
MORROW MEADOWS
231 Barton Court
City of Industry, CA 91789
T 626 588 7700
www.morrow-meadows.com

PLUMBING
MURRAY COMPANY
18414 South Santa Fe Ave
Rancho Dominguez, CA 90221
T 310 657 1500
www.murraycompany.com

LIFE SAFETY
TK15C
515 South Figueroa Street
Suite 1400
Los Angeles, CA 90071
T 213 687 8400
www.tk15c.com

LANDSCAPE
OJB
350 Lomas Santa Fe Drive
Suite A
Solana Beach, CA 92075
T 619 783 8870
www.ojb.com

FIRE PROTECTION
MILLENNIUM FIRE PROTECTION CORP.
2505 San Luis Rey Road
Oceanside, CA 92058
T 760 722 2722
www.mfpc.com

Revisions		
No.	Issue	Date
1	Rev. Pkg #4B	11/02/19
2	Bulletin #2	12/14/18
11	Bulletin #11	08/23/19
14	Bulletin #14	09/27/19
19	Bulletin #19	01/17/20

Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

Drawing Title
OFFICE AND CHEMISTRY ONE-LINE

Drawn By: 10/15/2018
Job No: 22182
Drawn By: RGS
Checked By: CDELB

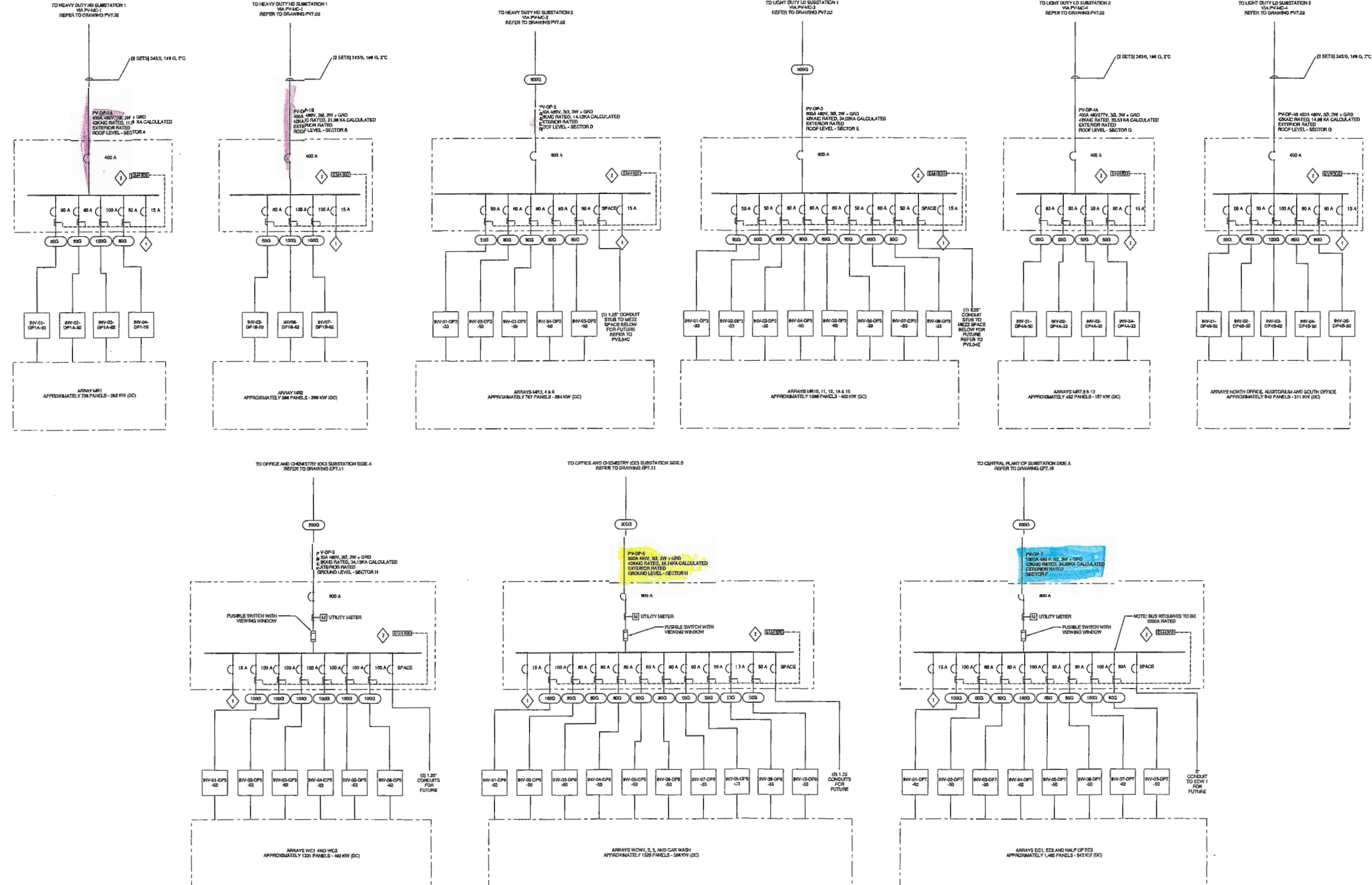
Drawing No.
EP7.11
PACKAGE #4B
FOR CONSTRUCTION

SHEET KEYNOTES

1. REFER TO PV7.08 FOR DESIGN SCHEDULE
2. REFER TO DRAWINGS PV7.01, PV7.02 AND PV7.03 FOR INVERTER AND STRING SCHEDULES
3. FOR SPECIFIC QUANTITIES OF PANELS CONNECTED TO EACH PV-OP, REFER TO STRING SCHEDULES
4. PROVIDE (1) SCHNEIDER D4NR SERIES ETHERNET CONNECTED MULTIMETERING SYSTEM FOR EACH PV-OP. PROVIDE MP-TD-340 VOLT 50 VA CONTROL TRANSFORMER FOR EACH PV-OP. PROVIDE CTS FOR EACH THREE PHASE CONNECTED INVERTER.

GENERAL NOTES

1. REFER TO PV7.08 FOR DESIGN SCHEDULE
2. REFER TO DRAWINGS PV7.01, PV7.02 AND PV7.03 FOR INVERTER AND STRING SCHEDULES
3. FOR SPECIFIC QUANTITIES OF PANELS CONNECTED TO EACH PV-OP, REFER TO STRING SCHEDULES



Revisions	No.	Issue	Date
5	Bulletin #5	04/25/19	
20	Bulletin #20	03/13/20	
21	Bulletin #21	04/24/20	

Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

Drawing Title
PHOTOVOLTAIC
ONE LINE
DIAGRAMS

Date: 03/13/19
Job No: 03188
Drawn By: DW
Checked By: GW

Drawing No.

PV7.01
PACKAGE #4C
FOR CONSTRUCTION



Revisions		
No.	Issued	Date
1	Rev. Pkg #4B	11/02/18
3	Bulletin #3	02/08/19
4	Bulletin #4	03/29/19

Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

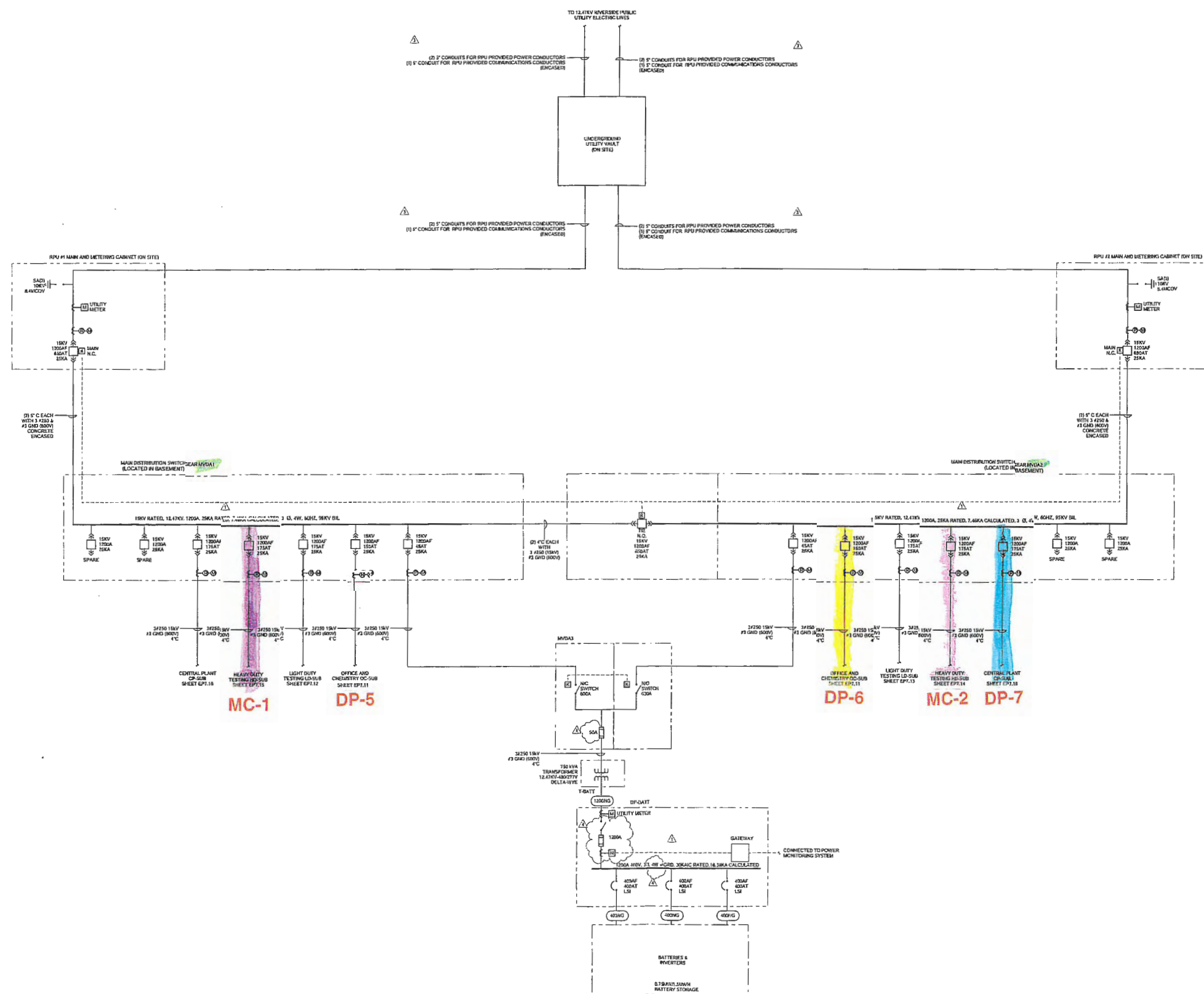
Drawing Title
MEDIUM VOLTAGE
ONE-LINE

Date: 02/13/2019
Job No: 23192
Drawn By: RCG
Checked By: CDDLB

Drawing No. _____

EP7.01

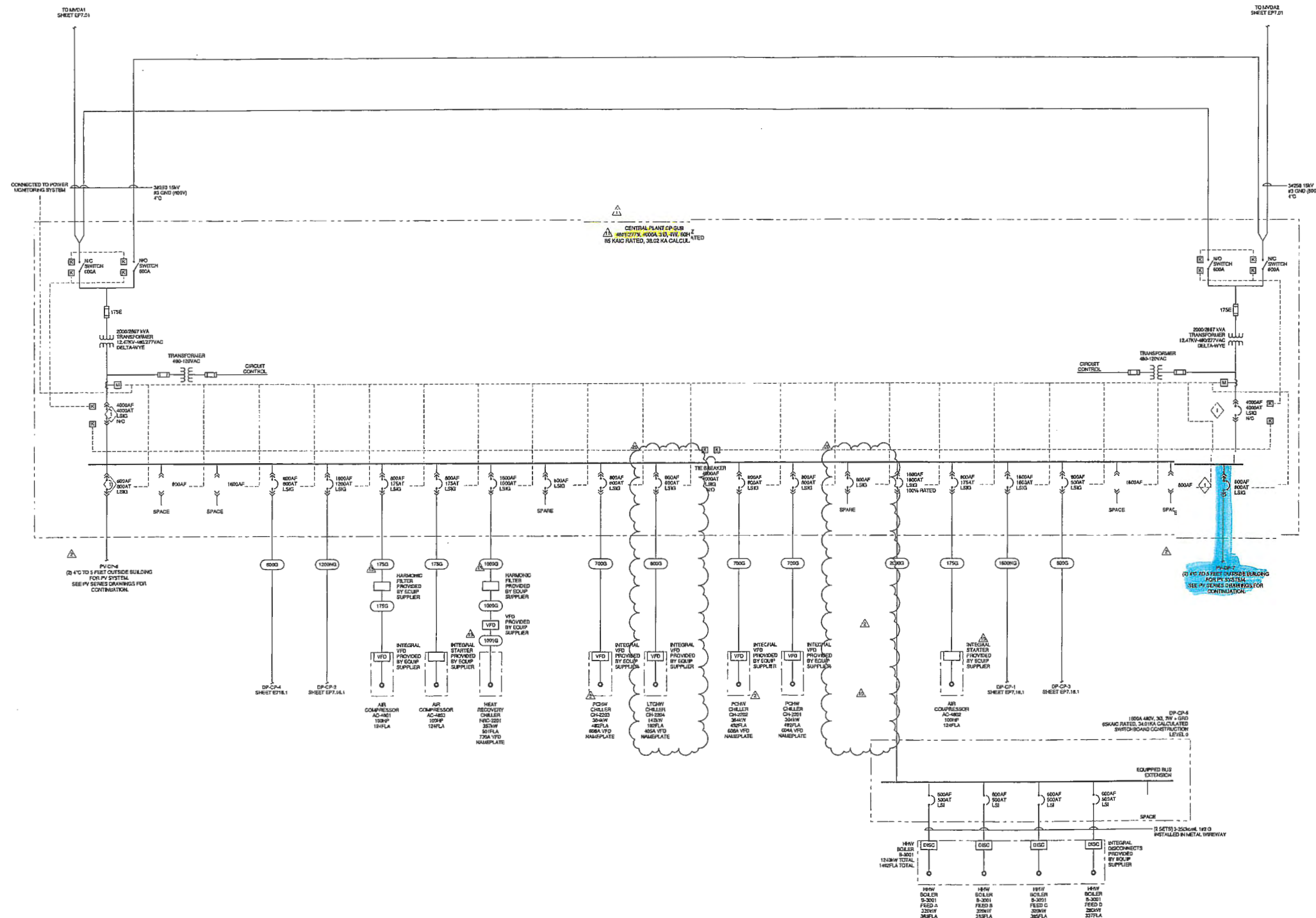
PACKAGE #4B
FOR CONSTRUCTION



3/29/2019 11:11:37 AM

SHEET KEYNOTES

1 PROVIDE CIRCUIT BREAKER WITH REVERSE
FEED RATING.



Revisions		
No.	Issue	Date
1	Rev. Pkg #4B	11/02/10
2	Bulletin #2	12/14/18
11	Bulletin #11	08/23/19
15	Bulletin #15	10/23/19
19	Bulletin #19	01/17/20
20	Bulletin #20	03/13/20

Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

Drawing Title
CENTRAL PLANT
ONE-LINE

Date: 10/10/2016
Job No: 23192

Job No: Z152
Drawn By: RGG
Checked By: CD-DLI

Drawing file.

EP7.16

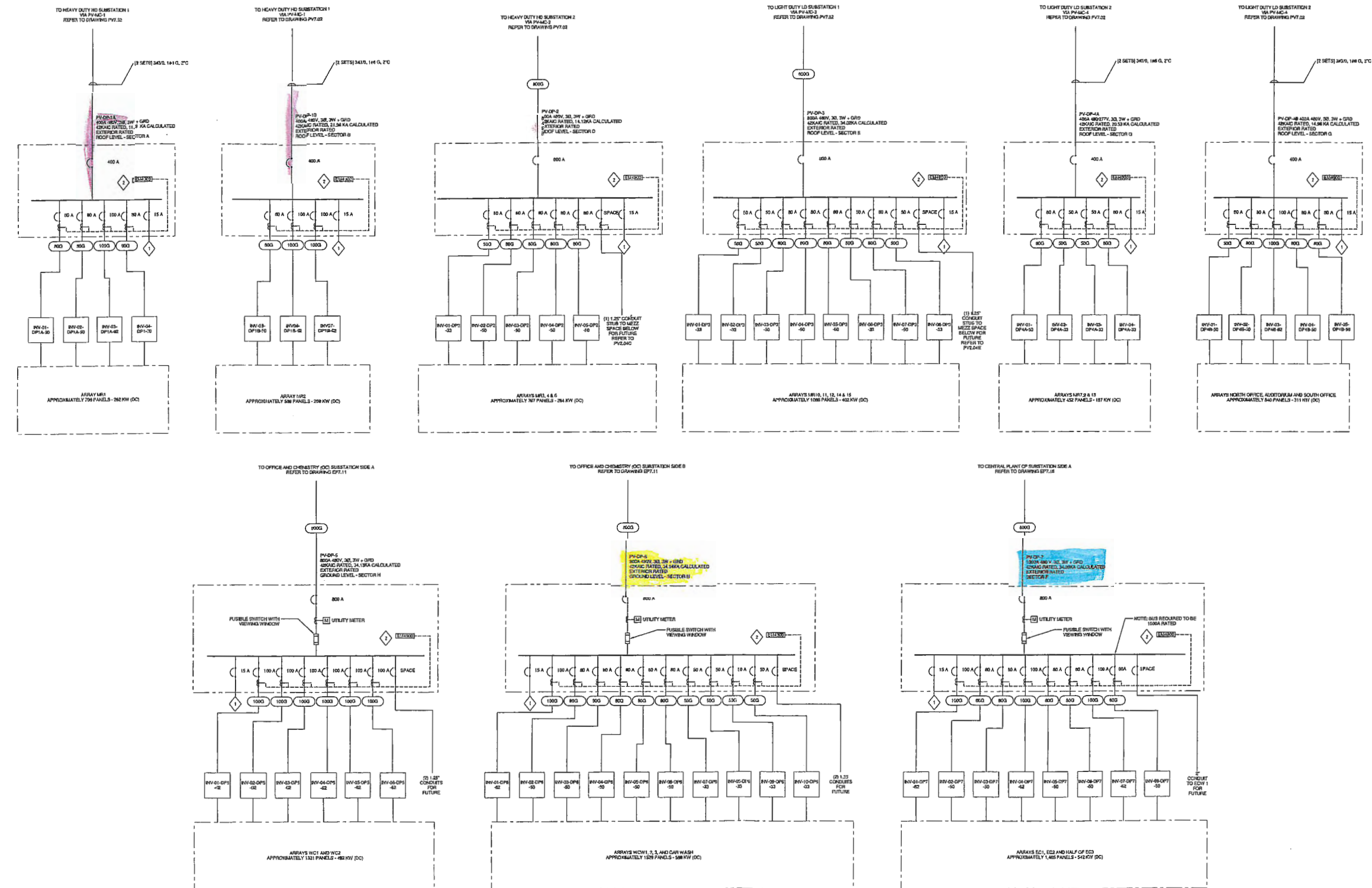
PACKAGE #4B
FOR CONSTRUCTION

SHEET KEYNOTES

- 1. 10A CIRCUIT BREAKER WILL BE WITH CONTROL POWER TRANSFORMER AND PROVIDE CONNECTIVITY FOR VOLTAGE LEADS FOR GROUND METERING. PROVIDE FUSING FOR CONTROL TRANSFORMER.
- 2. PROVIDE (1) SCHNEIDER DMM80 SERIES 8THIRNET CONNECTED MULTIMETERING SYSTEM FOR EACH PV-DP. PROVIDE 400 TO 240 VOLT 30 VA CONTROL TRANSFORMER FOR BATTERY POWER. PROVIDE CTS FOR EACH THREE PHASE CONNECTED INVERTER.

GENERAL NOTES

- 1. REFER TO PV7.02 FOR FEEDER SCHEDULE
- 2. REFER TO DRAWINGS PV6.01, PV6.02 AND PV6.03 FOR INVERTER AND STRING SCHEDULES
- 3. FOR SPECIFIC QUANTITIES OF PANELS CONNECTED TO EACH PV-DP, REFER TO STRING SCHEDULES



Design Build Team
PHOTOVOLTAIC
CHULA VISTA ELECTRIC CO.
9344 Wheatlands Rd.
San Diego, CA 92127
www.C-V-E.com

Revisions

No.	Issue	Date
5	Bulletin #5	04/29/19
20	Bulletin #20	03/13/20
21	Bulletin #21	04/24/20

Air Resource Board
SCCP #140769

4001 Iowa Ave
Riverside, CA 92507

Drawing Title
PHOTOVOLTAIC
ONE LINE
DIAGRAMS

Date: 03/12/18
Job No: 23102
Drawn By: DW
Checked By: GW

Drawing No.
PV7.01
PACKAGE #4C
FOR CONSTRUCTION



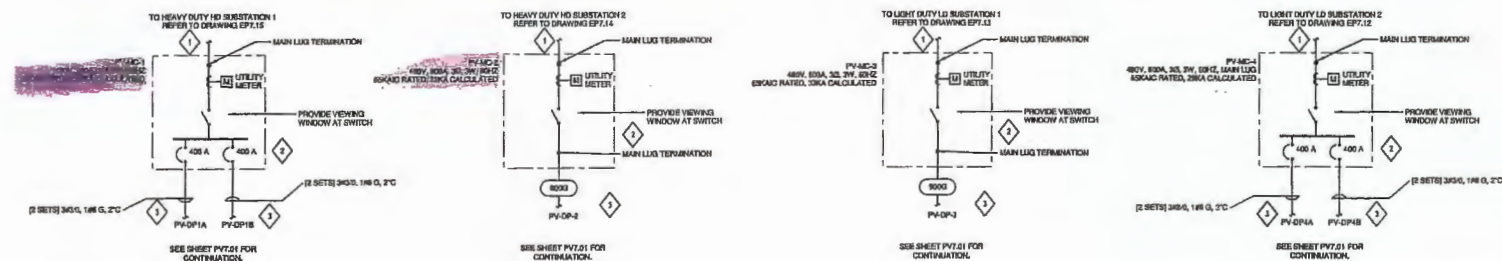
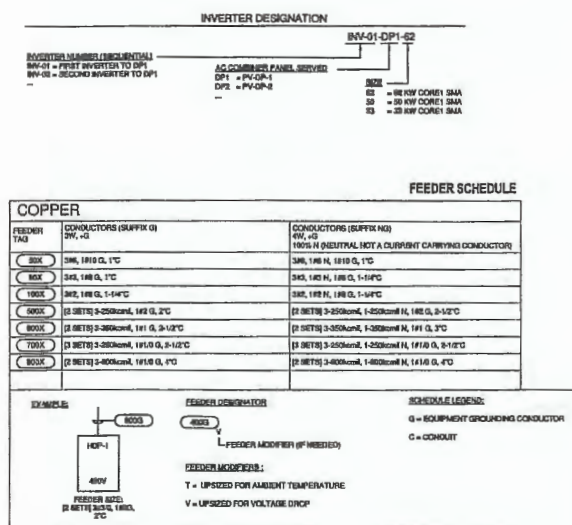
1 PROVIDE CIRCUIT BREAKER WITH REVERSE
FEED RATING.



1. REFER TO DRAWINGS PVI001, PVI002 AND PVI003 FOR INVERTER AND STRING SCHEDULES
2. FOR SPECIFIC QUANTITIES OF PANELS CONNECTED TO EACH PV-DP, REFER TO STRING SCHEDULES

1 CONDUIT AND WIRE PROVIDED BY ELECTRICAL CONTRACTOR

- 2 EQUIPMENT PROVIDED BY PV CONTRACTOR,
INSTALLED BY ELECTRICAL CONTRACTOR
- 3 EQUIPMENT PROVIDED BY ELECTRICAL
CONTRACTOR, WIRE PROVIDED BY PV
CONTRACTOR
- 4 15A CIRCUIT BREAKER WILL BE WITH
CONTROL, POWER TRANSFORMER AND
PROVIDE CIRCUITRY FOR VOLTAGE LEADS
FOR EMARCO METERING, PROVIDE FUSING FOR
CONTROL, TRANSFORMER.
- 5 PROVIDE (1) SCHIEDER EMARCO SERIES
ETHERNET CONNECTED MULTIMETERING
SYSTEM FOR EACH PV-OP, PROVIDE 400 TO 240
VOLT 50 VA C.T. COILS, 100 VA C.T. FOR
EMARCO POWER, PROVIDE CTS FOR EACH
THREE PHASE CONNECTED INVERTER.



No.	Issue	Date
5	Bulletin #5	04/29/19
20	Bulletin #20	03/13/20
21	Bulletin #21	04/24/20

PHOTOVOLTAIC ONE LINE DIAGRAMS

Dated: 02/13/19
Job No: 23192
Drawn By: GW
Checked By: GW

Drawing No. _____

PV7.02

PACKAGE #4C
FOR CONSTRUCTION