

Plans

BLD17-1077

Permit Number

6000

Street Number

Hwy 1

Street Name

BBY

Community Code

101-110-005

APN

COUNTY OF SONOMA - PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403 (707) 565-1900 FAX (707) 565-1103

Please Print Your Name: **ERIC MILLER**

Date Applied: **2/28/17**

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION - PRINT CLEARLY

Site Address: 6000 HWY 1	City: BODEGA BAY	ZIP: 94923
Cross-Street: 101 AVE 1005	Project Phone #: 415 710 5092	Project Fax #: ()
Directions:	Email address:	Unit # Lot #
Describe Project: 7.54 KW PV SOLAR SYSTEM Roof-Mount BARN	Living Area _____ Garage _____ Decks _____	Contract Price: 18,400

OWNER NAME AND ADDRESS

Name: Phillip Ballard	City: Bodega Bay	State: CA	ZIP: 94923
Mailing Address: 6000 HWY 1	Day Ph: 415 710 5092	Fax: ()	

APPLICANT NAME AND ADDRESS

Name: ERIC MILLER / PAC SOLAR	City: San Rafael	State: CA	ZIP: 94901
Mailing Address: 3060 Kerner Blvd. Suite K	Day Ph: 415 300 5777	Fax: ()	

CONTRACTOR INFORMATION

Company Name: PAC SOLAR	City: San Rafael	State: CA	ZIP: 94901
Address: 3060 Kerner Blvd. Suite K	Day Ph: 415 300 5777	Fax: ()	

OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)

Name:	City:	State:	ZIP:
Address:	Day Ph: ()	Fax: ()	
License No:	Exp. Date:		

WORKER'S COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

☐ I have and will maintain a certificate of consent to self-insure for worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number are:

Carrier: **ST. COMP. INS. FUND**
Policy No: **9117363-2017**

(This section need not be completed if the permit is for one hundred dollars (\$100) or less.)

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the worker's compensation laws of California, and agree that if I should become subject to the worker's compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Exp. Date: **1/7/17** Applicant: **[Signature]**

CONSTRUCTION LENDING DECLARATION

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civ. C.).

Lenders Name _____

Lenders Address _____

FOR DEPARTMENT USE

Zoning _____	File No. _____	Acres _____
Existing Use/Structures _____		
Proposed Use/Structures _____		
Zoning Min. Yard Requirements: Front _____ Left _____ Right _____ Back _____		
NOTE: Fire Safe Standards require all parcels greater than 1 Acre to have a min. 30' setback unless mitigated. ☐ Mitigation Required ☐ Address subject to change		
Approval for Permit Issuance: _____	Approval for Occupancy: _____	
By: _____	By: _____	
Date: _____	Date: _____	
Conditions: _____		

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044 Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.).

☐ I am exempt under Sec. _____, B & P.C. for this reason _____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following website: <http://www.leginfo.ca.gov/calaw.html>.

Date _____ Signature of Property Owner or Authorized Agent _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Lic. Class: **C46** Lic. No.: **995228**

Exp. Date: **7/31/18** Contractor: **PAC SOLAR**

ASBESTOS DECLARATION

Written asbestos notification pursuant to Part 61 of Title 40 of the Code of Federal Regulations is required when asbestos exists in buildings, or portions thereof, undergoing demolition. I hereby declare that demolition authorized by this permit is from construction that (☐ does) (☐ does not) contain asbestos, or that ☐ no demolition is authorized by this permit.

I certify that I have read this application and affirm under penalty of perjury that the above information is correct. I agree to comply with all local Ordinances and State laws relating to building construction. I hereby authorize representatives of the County of Sonoma to enter upon the above-mentioned property for inspection purposes. If, after making the Certificate of Exemption for the Worker's Compensation provision of the Labor Code I should become subject to such provisions, I will forthwith comply. In the event I do not comply with the Workman's Compensation law, this permit shall be deemed revoked.

PERMITTEE SIGNATURE _____

ADDRESS: **3060 Kerner Blvd. Suite K** CITY: **San Rafael** CA: **94901** ZIP: **94901**

☒ Contractor ☐ Owner ☐ Other Licensed Professional

Sewer Connection: ☐ Available ☐ Fees Paid
Approved by: _____ Date: _____
Road Encroachment: ☐ Fees Paid
Approved by: _____ Date: _____
Septic System Permit/Clearance # _____
Approved by: _____ Date: _____
Flood Zone: ☐ Yes ☒ No 100 Year Flood Elevation: _____
Site Review _____
Drainage Review: _____
Approved by: _____ Date: _____
Fire: _____
Approved by: _____ Date: _____
Code Enforcement Violation ☐ Yes ☒ No Violation # _____
This permit is limited to _____ days.

Work Authorized: **Roof Mt Photov. Barn**

☒ Plans Approved	☐ Post FIRM	☐ Alquist Priolo Report Available
☐ No Plans Subject to Field Inspection	☐ Pre FIRM	☐ Geotechnical report Available
Plat Check: _____ Date: 3/5/17	Type of Construction: VRB	Occupancy: U
Permit Cleared for Issuance: [Signature] Date: 3/5/17	Auto. Fire Sprinklers Req'd: U	No. of Units: _____
Certificate of Occupancy _____		
PAYMENT REC'D Machine Space for Permit Fee \$ _____ MAR 15 2017 PERMIT AND RESOURCE MANAGEMENT DEPARTMENT COUNTY OF SONOMA		

JOB ADDRESS:

6000 HWY 1

PERMIT NUMBER:

BCD17-1077

INSPECTION AREA:

2

THIS PERMIT SHALL EXPIRE IN THREE(3) YEARS FROM DATE FEES ARE PAID UNLESS OTHERWISE NOTED BY CODE ENFORCEMENT

Distribution: White - File Canary - Applicant Blue - Assessor Cardstock - Inspector

131) SPECIAL INSPECTION REQUIRED		☐ YES	☐ NO	IF YES, SEE ADDITIONAL SHEET	
INSPECTION RECORD		DATE	NAME	REMARKS	
101)	ROUGH GRADING				
103)	FOUNDATION				
	FORMS/SETBACK				
	FOOTING				
	WALLS				
106)	UFER GROUND #				
104)	CAISSONS/PIERS				
105)	SLAB				
107)	UNDERGROUND UTILITIES				
110)	MASONRY				
109)	RETAINING WALLS				
113)	FIREPLACE				
	FOOTING				
	HEARTH/PROTECTION				
	THROAT				
114)	CHIMNEY				
120)	UNDERFLOOR/UNDERSLAB				
115)	HYDRONICS				
116)	U/F ELECTRICAL				
117)	U/F MECHANICAL				
118)	U/F PLUMBING				
119)	U/F FRAMING				
139)	U/F INSULATION				
126)	SHEAR WALLS				
	☐ INTERIOR		☐ EXTERIOR		
127)	DIAPHRAGMS				
	☐ ROOF		☐ FLOOR		
134)	SIDING/SHEATHING				
125)	HOLD DOWNS				
132)	CLOSE-IN				
122)	ROUGH ELECTRICAL				
123)	ROUGH MECHANICAL				
124)	ROUGH PLUMBING				
128)	ROUGH FRAME				
160)	SMOKE DETECTORS				
139)	INSULATION				
142)	WALLBOARD				
143)	FIREWALLS				
135)	STUCCO/PLASTER				
	☐ LATH		☐ SCRATCH		
137)	ROOFING				
130)	TUB/SHOWER PAN				
162)	FIRE DAMPERS/DOORS				
164)	SUSPENDEED CEILING				
	☐ ROUGH ELEC.		☐ ROUGH MECH.		
165)	EXITING - RAMPS/STAIRS				
163)	HANDRAILS/GUARDRAILS				
	CORRIDORS/DOORS				
166)	ACCESSIBILITY COMPLIANCE				
144)	WATER TANKS				
	☐ SLAB		☐ WALLS		
170)	TEMPORARY OCCUPANCY				
171)	TEMPORARY ELECTRICAL				
172)	TEMPORARY GAS				
174)	ELECTRIC METER AUTHORIZATION				
152)	PANEL BOARDS/SERVICE				
189)	SEPTIC ELECTRIC FINAL				
175)	GAS METER AUTHORIZATION				
153)	GAS PRESSURE TEST				
	HOUSE		YARD		
190)	MANUF. HOME FOUNDATION				
191)	MANUF. HOME INSTALLATION				
	CONTINUITY				
	STAIRS/SKIRTS				
	RIDGE BOLTING				
193)	MANUF. HOME COND. FINAL				
	SWIMMING POOLS				
194)	PRE-GUNITE				
195)	PRE-DECK				
196)	PRE-PLASTER/FENCE				
197)	VINYL/FIBERGLASS POOL EXCAVATION				
102)	GRADING FINAL				
176)	ELECTRICAL FINAL	9/21/17	KM		
177)	MECHANICAL FINAL				
178)	PLUMBING FINAL				
199)	FINAL	9/21/17	KM		
	OCCUPANCY (OK TO OCCUPY)				

650)	SUSMP INSPECTION		
651)	NPDES EROSION COMPLIANCE		
652)	NPDES SEDIMENT COMPLIANCE		
653)	NPDES DOCS/SWPPP		
FIRE INSPECTION REQUIRED		DATE	NAME
☐ Yes ☐ No			
759)	KNOX BOX		
760)	PROPANE TANK HOLD DOWNS		
770)	SPRINKLER FINAL		
771)	ABOVEGROUND HYDROSTATIC		
772)	UNDERGROUND HYDROSTATIC		
773)	UNDERGROUND FLUSH		
774)	THRUST BLOCKS		
775)	PIPE WELD		
776)	HYDRANTS/APPLIANCES		
777)	PUMP ACCEPTANCE		
778)	WATER SUPPLY/TANK		
779)	ALARM SYSTEM		
780)	HOOD & DUCT SYSTEM		
781)	ABOVEGROUND TANK/DISPENSER		
198)	FIRE FINAL		
CLEARANCES:			
FIRE		☐ Local	☐ County
HEALTH DEPARTMENT			
ZONING			
SANITATION			

PLAN RETENTION REQUIRED?	
☐ Yes	☐ No

PERMIT # BLD17-1077

GENERAL NOTES:

1. LOCAL UTILITY PROVIDER SHALL BE NOTIFIED PRIOR TO USE AND ACTIVATION OF ANY SOLAR PHOTOVOLTAIC INSTALLATION.
2. NO SHEET METAL OR TECH SCREWS SHALL BE USED TO GROUND DISCONNECT ENCLOSURE WITH TIN-PLATED ALUMINUM LUGS; PROPER GROUNDING/GROUND BARS/KITS SHOULD BE USED.
3. ALL EXTERIOR CONDUIT, FITTINGS, AND BOXES SHALL BE WITH RAIN TIGHT AND APPROVED FOR USE IN WET LOCATIONS. (CEC 314.15A).
4. ADEQUATE SPACING ARE MAINTAINED BETWEEN ANY PLUMBING VENTS EXTENDING THROUGH THE ROOF AND THE UNDERSIDE OF THE PHOTOVOLTAIC PANELS (6" MINIMUM RECOMMENDED OR 12" IF HORIZONTAL).
5. SEPARATION DISTANCE MEASUREMENT FROM BOTTOM OF PANEL TO TOP OF ROOF COVERING SHALL BE MINIMUM 4".
6. BACK-FED BREAKER MUST BE AT THE OPPOSITE END OF BUS BAR FROM THE MAIN BREAKER OR MAIN LUG SUPPLYING CURRENT FROM THE UTILITIES.
7. ALL CONDUCTORS EXPOSED TO SUNLIGHT ARE LISTED AS SUNLIGHT RESISTANT.
8. PLUMBING AND OR MECHANICAL VENT SHALL NOT BE COVERED, OBSTRUCTED OR RE-ROUTED AROUND SOLAR MODULES.(12" MIN. CLEARANCE)VED JOB COPY OF PLANS AND JOB CARDS TO BE ON JOB SITE.
9. SMOKE ALARM AND CARBON MONOXIDE ALARM REQUIRED PER CRC R314 & R315.
10. ALL WORK TO COMPLY WITH 2016 CALIFORNIA BUILDING CODE; 2016 ELECTRICAL CODE CEC - ARTICLE 705.12, ALL MANUFACTURES LISTING AND INSTALLATION INSTRUCTIONS. E FROM THE APPROVED PLANS. REQUESTS FOR CHANGES SHALL BE MADE IN PLANS. REQUESTS FOR CHANGES SHALL BE MADE IN PLANS. REQUESTS FOR CHANGES SHALL BE MADE IN PLANS.
11. A LADDER SHALL BE IN PLACE FOR INSPECTION IN COMPLIANCE WITH CAL-OSHA REGULATIONS. PROPER ACCESS AND WORKING CLEARANCE WILL BE PROVIDED AS PER SECTION 110.26 CEC. RESOURCE MANAGEMENT DEPARTMENT.
12. ROOFTOP MOUNTED PHOTOVOLTAIC PANELS AND MODULES SHALL BE TESTED, LISTED AND IDENTIFIED IN ACCORDANCE WITH UL1703 SECTION 602.1 (CRC) & 1509.74 (CBC). CHANGES MADE WITHOUT PRIOR APPROVAL SHALL BE SUBJECT TO MANAGEMENT DEPARTMENT.
13. THE WORKING CLEARANCE AROUND THE EXISTING ELECTRICAL EQUIPMENT AS WELL AS THE NEW ELECTRICAL EQUIPMENT WILL BE MAINTAINED IN ACCORDANCE WITH CEC 110.26.
14. ALL CONDUITS AND EQUIPMENT SHALL BE PAINTED TO MATCH THE EXISTING BACKGROUND MATERIAL COLOR OF THEIR LOCATION.
15. GROUNDING BUSHINGS ARE REQUIRED AROUND PRE-PUNCHED CONCENTRIC KNOCKOUTS ON THE DC SIDE OF THE SYSTEM. (CEC 250.30)
16. DRAWINGS ARE DIAGRAMMATIC ONLY. THE LOCATION AND ROUTING OF RACEWAYS SHALL BE DETERMINED BY THE CONTRACTOR UNLESS OTHERWISE NOTED OR STANDARDIZED AND FIELD INSPECTION.
17. ALL EQUATIONS ACCOUNT FOR WORST CASE CONDITIONS.
18. IF A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT DEVICES, OVERCURRENT PROTECTION, GROUNDING SYSTEMS, ETC. (ALL EQUIPMENT AND MATERIALS) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIALS AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS IN THE SPECIFICATIONS OR NOTED ON THE PLANS TO ENSURE COMPLETE COMPLIANCE WITH ALL CODES AND TO ENSURE THE LONGEVITY AND SAFETY OF THE OPERABLE SYSTEM.
19. ALL OUTDOOR EQUIPMENT SHALL BE MIN. NEMA 3R RATED.
20. METAL CONDUIT AND ENCLOSURES SHALL BE USED WHERE PV SOURCE OR OUTPUT CIRCUITS ARE RUN INSIDE A BUILDING.
21. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH ANY AND ALL REQUIREMENTS GIVEN BY UTILITY COMPANIES.
22. FOR ADDITIONAL EQUIPMENT SPECIFICATIONS, SEE PROVIDED CUT SHEETS.
23. ALL LABELS AND MARKINGS SHALL BE ATTACHED ACCORDING TO REQUIREMENTS BY NEC AND THE LOCAL AHJ. THE AHJ MAY HAVE SPECIAL LABEL REQUIREMENTS BEYOND THE BUILDING PLAN CHECK DOCUMENT.
24. INSTALLER TO FOLLOW ALL LOCAL JURISDICTION GUIDELINES.
25. ALL NEC REFERENCES SHALL BE DIRECTLY INTERCHANGEABLE WITH CEC REFERENCES.



Solar Permit Services, Inc.

Prepared by (AK)

www.solarpermitservices.com

info@solarpermitservices.com

(949)872-8236



VICINITY MAP



PERMIT AND RESOURCE MANAGEMENT DEPARTMENT INDEX SHEET:

1. COVER SHEET
2. PLOT PLAN
3. ROOF PLAN
4. ELEVATION VIEW
5. ELECTRICAL DIAGRAM
6. RAFTER SIDE VIEW
7. MODULES SHEET
8. MODULES FIRE RATING
9. MODULES COMPLIANCE
10. MICROINVERTER SHEET
11. RAILS/GROUNDING SHEET
12. RAILS FIRE RATING
13. ATTACHMENTS
14. UNIRAC MID-CLAMPS SHEET
15. WARNING LABELS

POST HOUSE NUMBER
TO INSURE INSPECTION

SCOPE OF WORK:

ROOF MOUNT PV SOLAR SYSTEM
ROOF TYPE : TRADITIONAL
CORREGATED METAL ROOFING

ARRAY : 26 MODULES
SOLAR WORLD SW290M-BLK
26 MICROINVERTERS : ENPHASE
M250-60-2LL-S22-240V

ARRAY TILT : 9°
AZIMUTH : 165°
ARRAY ON BARN

LISTED BY UNDERWRITER'S
LABORATORIES FOR ELECTRICAL
AND FIRE SAFETY (CLASS A FIRE RATING)
NOTE:
1) NO DISCHARGE OF ANY POLLUTANTS
TO ANY STORM DRAIN SYSTEM.
2) UL 1703 FOR MODULES & UL 1741
FOR INVERTERS PER CITY SOLAR
REQUIREMENTS.

THIS PROJECT SHALL COMPLY WITH THE :
2016 CA BUILDING CODE
2016 CA PLUMBING CODE
2016 CA RESIDENTIAL CODE
2016 CA ENERGY CODE
2016 CA MECHANICAL CODE
2016 CA FIRE CODE
2016 CA ELECTRICAL CODE - 2014 NEC
ORDINANCES OF THE CITY OF
BODEGA BAY

N.T.S. : PAGE 1

COVER SHEET

COMPLETED:	2/20/2017
REVISION #1:	
REVISION #2:	

SYSTEM SIZE:	7.540 KW DC (STC)
	6.919 KW DC (PTC)
	6.711 KW AC (CEC)

26 MODULES - SOLARWORLD - SW290 MONO-BLK
26 MICRO INVERTERS - ENPHASE
M250-60-2LL-S22-240V

PHONE# 415-710-5092

PROJECT:

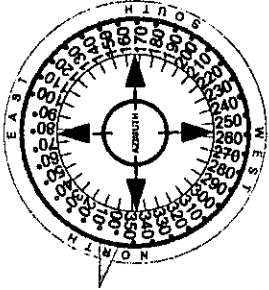
PHILLIP BALLARD
6000 HIGHWAY 1
BODEGA BAY, CA 94923
OCCUPANCY TYPE: V-B GROUP: R

Approved and Copy
Plans and Job Cards
To be on Job Site

PAC SOLAR
3060 KENNEDY BLVD., SUITE
SAN RAFAEL, CA 94901
PHONE: 415-299-8989
ERIC MILLER, CONTRACTOR
LICENSE TYPE C46
STATE LICENSE # 995228
EXPIRATION DATE 07/31/2018



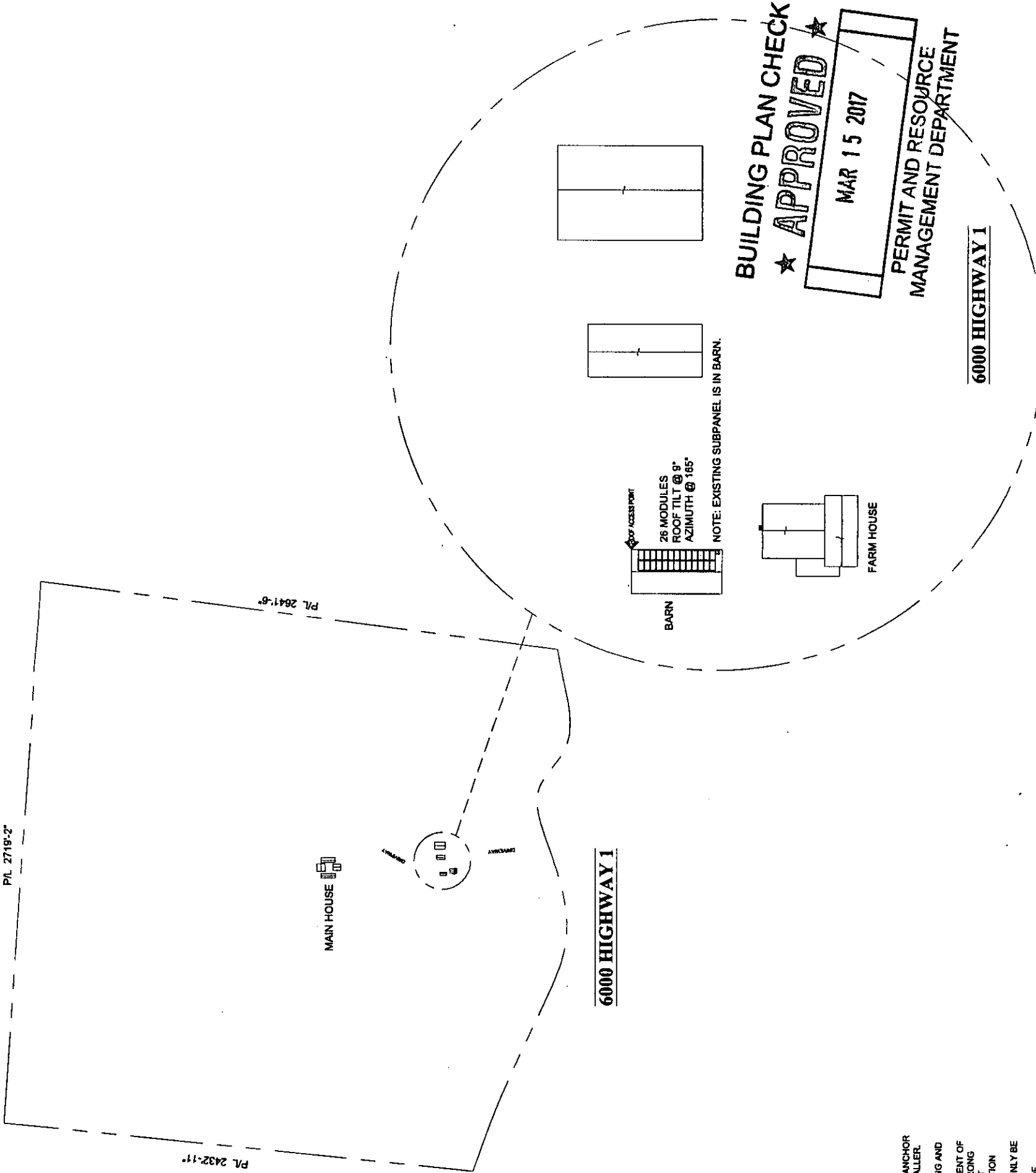
DISCLAIMER: If any Errors, Discrepancies or Omissions appear in these drawings, specifications or other contract documents; The Owner or General Contractor shall notify the Designer, in writing, of such error or omission. In the event that the Owner or General Contractor fails to give such notice, before construction and/or fabrication of the work, the Owner or General Contractor will be held responsible to the result of any errors, discrepancies or omissions and the cost of rectifying them.



POINT LOAD CALCULATION PER ARRAY				
ITEM	#OR	WEIGHT	TOTAL WEIGHT	
	LN FT	PER (lbs)	(lbs)	
MODULES	26	39.7 lbs	1032 lbs	
RAILS	172	0.5 lbs	86 lbs	
RACKING PARTS	56	0.5 lbs	28 lbs	
TILT LEGS	0	3.5 lbs	0 lbs	
MICRO INVERTERS / POWEROPTIMIZER	26	5.5 lbs	143 lbs	
TOTAL WEIGHT			1289 lbs	
MODULE DIMENSIONS(LxW)	65.95"	x 39.41" = 18.0sq.ft		
WEIGHT PER MOUNT	1289 / 56	= 23.0 lbs/sq.ft		
WEIGHT PER SQ FT	1289 / 469 sq.ft.	= 2.7 lbs/sq.ft.		

WIND UPLIFT CALCULATION ((M x P)-6x W) < L x ExQ		
W = Module and racking weight	1289 lbs	
M= Total Modules area	469.28 sq.ft.	
P = Wind pressure	35 psf	
L=5/16" dia.Lag screw	328.0 lbs/in	
E=Lag screw embedment	2.5 Inch	
Q= Quantity of lag screws	56	
		15651 < 45920

NOTES:
-WORKING CLEARANCE FOR MAIN SERVICE PANEL AND AC DISCONNECT EXCEEDS 3'
-CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS WHEN PREPARING ROOF FOR ANCHOR POINT LOCATIONS. BUILDING STRUCTURE INTEGRITY IS THE RESPONSIBILITY OF THE INSTALLER.
-ADJUSTMENTS MAY BE REQUIRED DUE TO EXISTING ROOF LAYOUT.
-2016 CALIFORNIA ELECTRICAL CODE [2016 CEC] - ARTICLE 680, ALL MANUFACTURES' LISTING AND INSTALLATION INSTRUCTIONS.
-ROOF ACCESS POINTS SHALL BE LOCATED IN AREAS THAT DO NOT REQUIRE THE PLACEMENT OF GROUND LADDERS OVER OPENINGS SUCH AS WINDOWS OR DOORS, AND LOCATED AT STRONG POINTS OF BUILDING CONSTRUCTION IN LOCATIONS WHERE THE ACCESS POINT DOES NOT CONFLICT WITH OVERHEAD OBSTRUCTIONS SUCH AS TREE LIMBS, WIRES OR SIGNS. (SECTION R331.4.1 OF THE 2016 CRC)
-PV EQUIPMENT, SYSTEMS AND ALL ASSOCIATED WIRING AND INTERCONNECTION SHALL ONLY BE INSTALLED BY QUALIFIED PERSONS. (NEC 690.4 E)
-PHOTOVOLTAIC SYSTEM CONDUCTORS SHALL BE IDENTIFIED AND GROUPED. THE MEANS OF IDENTIFICATION SHALL BE PERMITTED BY SEPARATE COLOR CODING, MARKING TAPE, TAGGING OR OTHER APPROVED MEANS. (NEC 680.4 B)



BUILDING PLAN CHECK
★ **APPROVED** ★
MAR 15 2017
PERMIT AND RESOURCE
MANAGEMENT DEPARTMENT

6000 HIGHWAY 1

0' 16' 40' 80' 120' 160' SCALE:
1/64"=1'-0"



PAC SOLAR CORP.
3060 KERNER BLVD., SUITE K
SAN RAFAEL, CA 94901
PHONE: 415-299-8989
ERIC MILLER, CONTRACTOR
STATE LICENSE # 986228
LICENSE TYPE C46
EXPIRATION DATE 07/31/2018

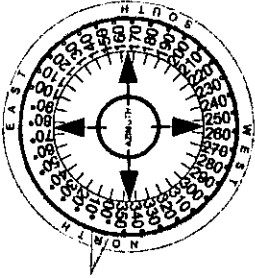
PROJECT:
PHILLIP BALLARD
6000 HIGHWAY 1
BODEGA BAY, CA 94923
OCCUPANCY TYPE: V-B GROUP: R
PHONE# 415-710-5092

SYSTEM SIZE:
7,540 KW DC (STC)
6,919 KW DC (PTC)
6,711 KW AC (CEC)

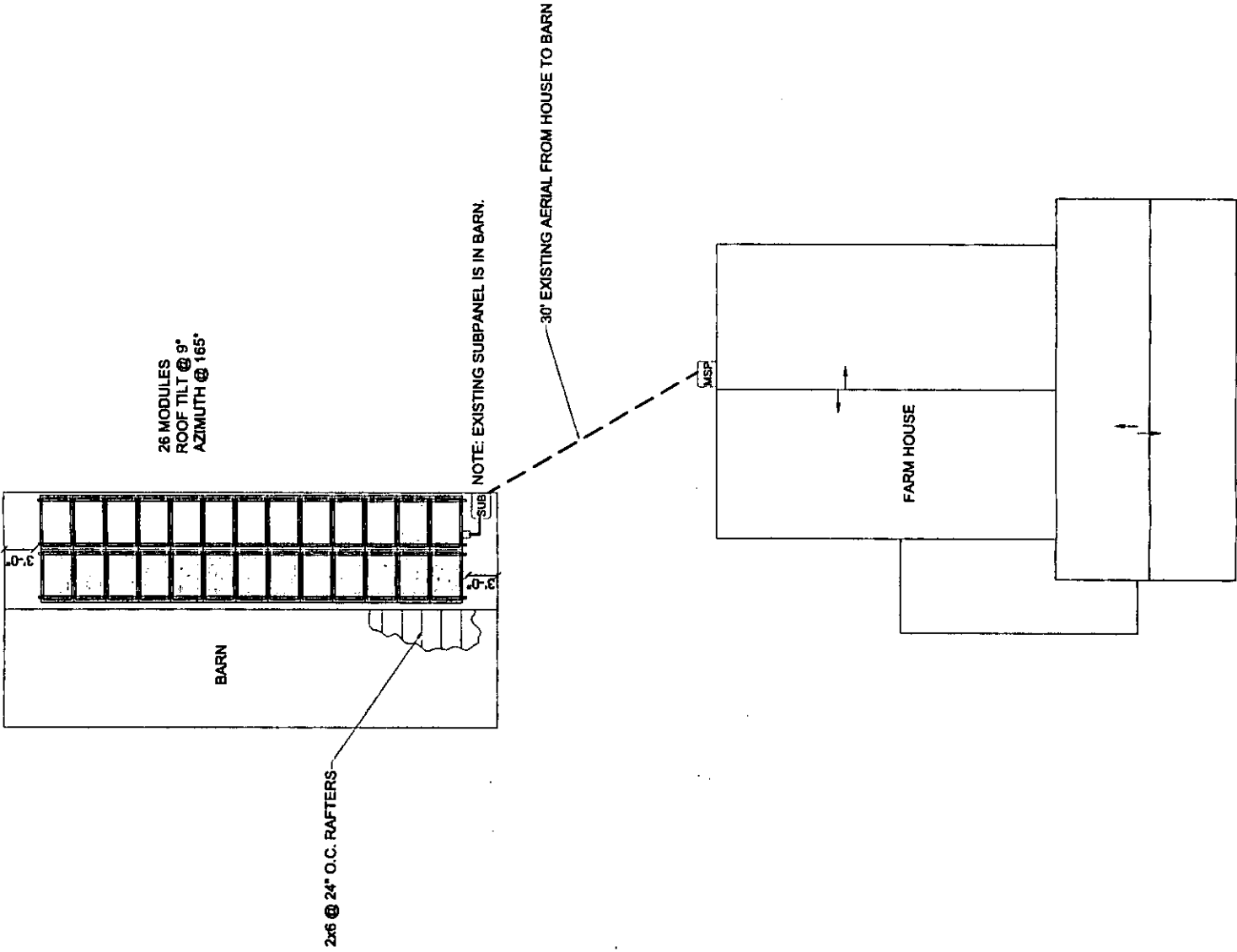
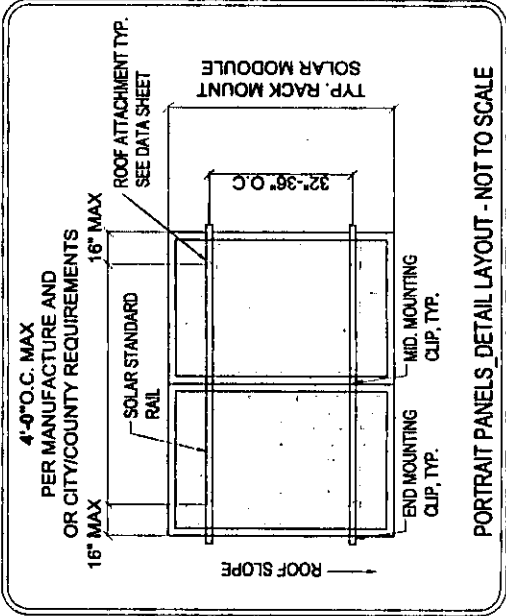
26 MODULES - SOLARWORLD - SW290 MONO-BLK
M250-60-2LL-S22-240V
26 MICRO INVERTERS - ENPHASE

SCALE: 1/64" = 1'-0"
PAGE 2
PLOT PLAN

DISCLAIMER: If any Errors, Discrepancies or Omissions appear in these drawings, specifications or other contract documents; The Owner or General Contractor shall notify the Designer, in writing, of such error or omission. In the event that the Owner or General Contractor fails to give such notice, before construction and/or fabrication of the work, the Owner or General Contractor will be held responsible to the result of any errors, discrepancies or omissions and the cost of rectifying them.



LEGEND	
J-BOX ON ROOF/ UNDER ARRAY	□
VENT	⊗
CHIMNEY	⊠
SKYLIGHT	▤
AIR CONDITION UNIT	AC
DORMER VENT	▽
INVERTER	INV.
AC DISCONNECT	AC
LOAD CENTER	LC
SUB PANEL	SUB
PERFORMANCE METER	PM
MAIN ELECTRICAL PANEL	MSP
EXTERIOR 3/4" EMT CONDUIT 1.5"-3.5" ABOVE ROOF AND UNDER EAVES	
PV PANEL DIMENSIONS N.T.S.	



26 MODULES
ROOF TILT @ 9°
AZIMUTH @ 165°

2x6 @ 24" O.C. RAFTERS

NOTE: EXISTING SUBPANEL IS IN BARN.

30' EXISTING AERIAL FROM HOUSE TO BARN

SUB

SUB

FARM HOUSE

6000 HIGHWAY 1



BUILDING PLAN CHECK
★ APPROVED ★

MAR 15 2017

PERMIT AND RESOURCE
MANAGEMENT DEPARTMENT



PAC SOLAR CORP.
3060 KERNER BLVD., SUITE K
SAN RAFAEL, CA 94901
PHONE: 415-299-8989

ERIC MILLER, CONTRACTOR

STATE LICENSE # 896228
LICENSE TYPE C46
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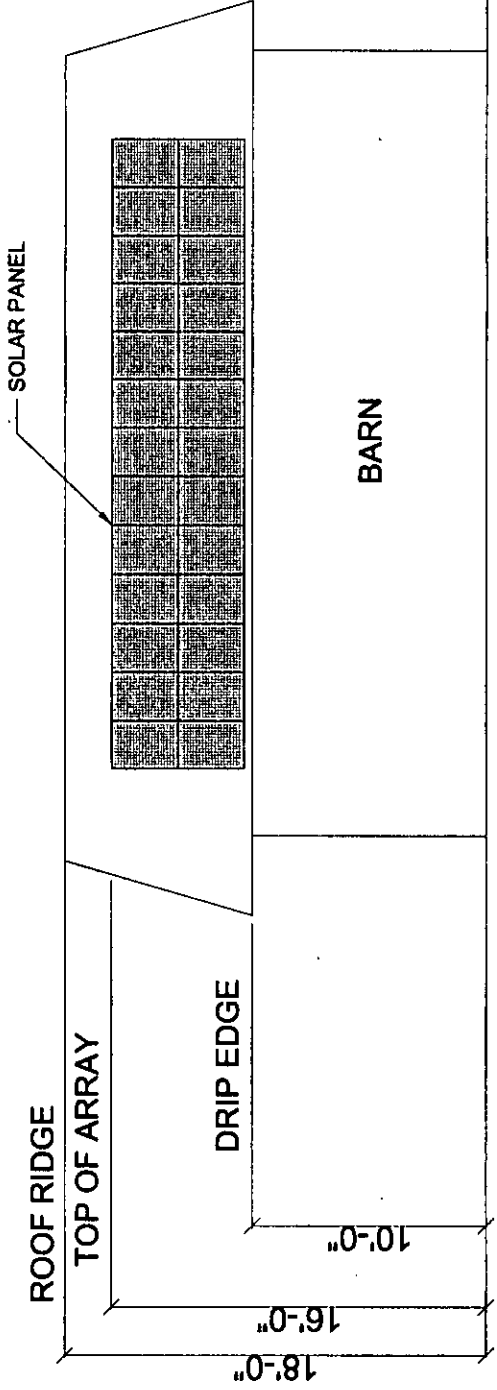
PROJECT: PHILLIP BALLARD
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PHONE# 415-710-5092

OCCUPANCY TYPE: V-B GROUP: R

SYSTEM SIZE:
7.540 KW DC (STC)
6.919 KW DC (PTC)
6.711 KW AC (CEC)

26 MODULES - SOLARWORLD - SW290 MONO-BLK
M250-60-2LL-S22-240V
26 MICRO INVERTERS - ENPHASE

SCALE 1/8"=1'-0"		PAGE 4
ELEVATION SHEET		
26 MODULES - SOLARWORLD - SW290 MONO-BLK M250-60-2LL-S22-240V		
SYSTEM SIZE: 7.540 KW DC (STC) 6.919 KW DC (PTC) 6.711 KW AC (CEC)		
PROJECT: PHILLIP BALLARD 6000 HIGHWAY 1 BODEGA BAY, CA 94923 OCCUPANCY TYPE: V-B GROUP: R		
PHONE# 415-710-5092		
STATE LICENSE # 995228 LICENSE TYPE C46 EXPIRATION DATE 07/31/2018		
ERIC MILLER, CONTRACTOR SAN RAFAEL, CA 94901 PHONE: 415-299-8989 3060 KERNER BLVD., SUITE K PAC SOLAR CORP.		
PAC SOLAR		



BUILDING PLAN CHECK
★ **APPROVED** ★

MAR 15 2017

PERMIT AND RESOURCE
MANAGEMENT DEPARTMENT

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

0' 2' 5' 10' 15' 20'

FRONT ELEVATION

DISCLAIMER: If any Errors, Discrepancies or Omissions appear in these drawings, specifications or other contract documents; The Owner or General Contractor shall notify the Designer, in writing, of such error or omission. In the event that the Owner or General Contractor fails to give such notice, before construction and/or fabrication of the work, the Owner or General Contractor will be held responsible to the result of any errors, discrepancies or omissions and the cost of rectifying them.