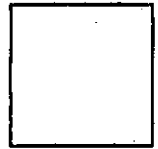


B

Type



Plans

BLD 11-3503

Permit Number

1411

Street Number

PLEASANT HILL RD

Street Name

TWI

Community Code

076-050-073

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:

Date
Applied:

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION - PRINT CLEARLY

Site Address: <u>1411 PLEASANT HILL RD</u>	City: <u>SEBASTOPOL</u>	ZIP: <u>95472</u>
Cross-Street:	APN:	Project Phone #: ()
Directions:	Email address:	Project Fax #: ()
Describe Project: <u>INSTALLATION OF 5.4KW DC ROOT MOUNT PHOTOVOLTAIC SYSTEM</u>	Living Area	Contract Price:
	Garage	
	Unit #	Lot #

OWNER NAME AND ADDRESS

Name: <u>BOB & NANCY JENKINS</u>
Mailing Address: <u>1411 PLEASANT HILL RD</u>
City: <u>SEBASTOPOL</u> State: <u>CA</u> ZIP: <u>95472</u>
Day Ph: () Fax: ()

APPLICANT NAME AND ADDRESS

Name:
Mailing Address:
City: State: ZIP:
Day Ph: () Fax: ()

CONTRACTOR INFORMATION

Company Name: <u>KRUEZ FELD Const Co. Inc</u>
Address: <u>122 CALISTOGA RD #574</u>
City: <u>SANTA ROSA</u> State: <u>CA</u> ZIP: <u>95409</u>
Day Ph: <u>707 508-5355</u> Fax: <u>707 623 1465</u>

OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)

Name:
Address:
City: State: ZIP:
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: STATE EOMP
 Policy No: 713 0900 31876

(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: 8/18/11 Applicant: Paul Kruezfeld

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3708 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

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.loginfo.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: B, C-12 E46 Lic. No.: 338647
 Exp. Date: 7/31/12 Contractor: Paul Kruezfeld

ASBESTOS DECLARATION

Written asbestos notification pursuant to Part 81 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 Worker's Compensation law, this permit shall be deemed revoked.

PERMITTEE SIGNATURE: Paul Kruezfeld
 ADDRESS: 122 CALISTOGA RD #574 Santa Rosa CITY: CA ZIP: 95409
☒ Contractor ☐ Owner ☐ Other Licensed Professional

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: _____ Date: _____
 Conditions: _____

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: Root mount PV system on Bldg

Plans Approved: ☒ No Plans Subject to Field Inspection

Planchek Cleared By: <u>[Signature]</u> Date: <u>8/18/11</u>	Type of Construction: <u>YB</u>	Occupancy: <u>V</u>	No. of Stories: _____	No. of Bedrooms: _____
Permit Cleared for Issuance By: <u>[Signature]</u> Date: <u>8/18/11</u>	Auto. Fire Sprinklers Req'd: _____	No. of Units: _____	Certificate of Occupancy: _____	

Machine Space for Permit Fee

PAYMENT REC'D

\$ _____
AUG 18 2011

PERMIT AND RESOURCE
MANAGEMENT DEPARTMENT

COUNTY OF SONOMA - Permit Blue - Assessor Cardslock - Inspector

JOB ADDRESS: 1411 PLEASANT HILL RD PERMIT NUMBER: BL011-3503 INSPECTION AREA: 7

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

131) SPECIAL INSPECTION REQUIRED		<input type="checkbox"/> YES	<input type="checkbox"/> 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				
	<input type="checkbox"/> INTERIOR	<input type="checkbox"/> EXTERIOR			
127)	DIAPHRAGMS				
	<input type="checkbox"/> ROOF	<input type="checkbox"/> 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				
	<input type="checkbox"/> LATH	<input type="checkbox"/> SCRATCH			
137)	ROOFING				
130)	TUB/SHOWER PAN				
162)	FIRE DAMPERS/DOORS				
164)	SUSPENDED CEILING				
	<input type="checkbox"/> ROUGH ELEC.	<input type="checkbox"/> ROUGH MECH.			
165)	EXITING - RAMPS/STAIRS				
163)	HANDRAILS/GUARDRAILS				
	CORRIDORS/DOORS				
166)	ACCESSIBILITY COMPLIANCE				
144)	WATER TANKS				
	<input type="checkbox"/> SLAB	<input type="checkbox"/> 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	8-26-11	RP		
177)	MECHANICAL FINAL				
178)	PLUMBING FINAL				
199)	FINAL	8-26-11	RP		
OCCUPANCY (OK TO OCCUPY)					

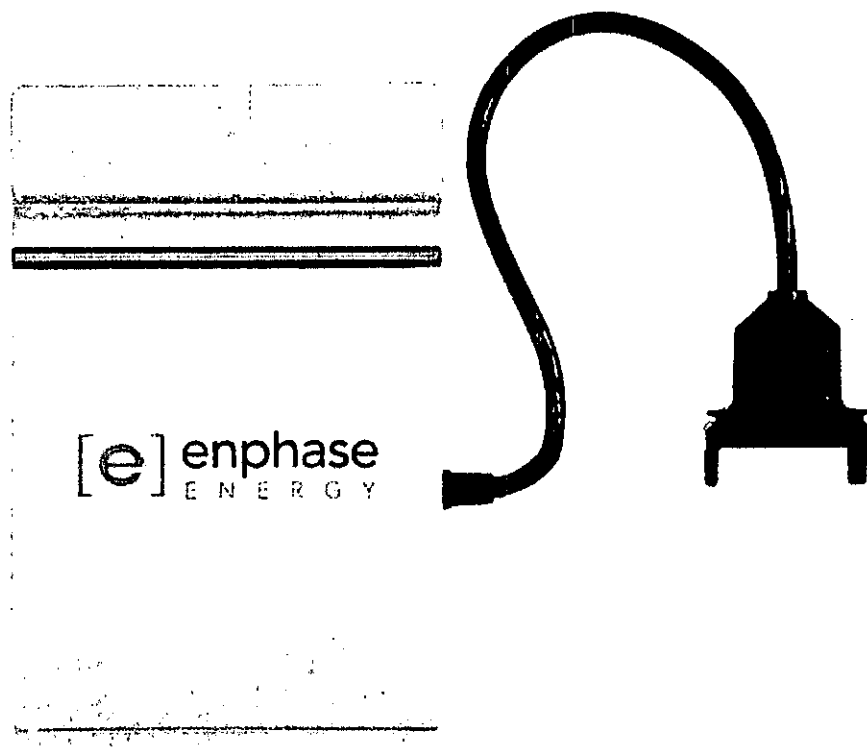
650) SUSMP INSPECTION	
651) NPDES EROSION COMPLIANCE	
652) NPDES SEDIMENT COMPLIANCE	
653) NPDES DOCS/SWPPP	
FIRE INSPECTION REQUIRED	
<input type="checkbox"/> Yes	<input type="checkbox"/> No
759) KNOX BOX	
760) PROPANE TANK HOLD DOWNS	
770) SPRINKLER FINAL	
771) ABOVEGROUND HYDROSTATIC	
772) UNDERGROUND 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	<input type="checkbox"/> Local <input type="checkbox"/> County
HEALTH DEPARTMENT	
ZONING	
SANITATION	
PLAN RETENTION REQUIRED?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No

PERMIT # 81011-3503



ENPHASE MICROINVERTER

M215



The Enphase Energy Microinverter System improves energy harvest, increases reliability, and dramatically simplifies design, installation and management of solar power systems. The Enphase System includes the microinverter, the Envoy Communications Gateway, and Enlighten, Enphase's monitoring and analysis software.

- | | | |
|------------|---|---|
| PRODUCTIVE | [| <ul style="list-style-type: none">- Maximum energy production- Resilient to dust, debris and shading- Performance monitoring per module |
| RELIABLE | [| <ul style="list-style-type: none">- System availability greater than 99.8%- No single point of system failure |
| SMART | [| <ul style="list-style-type: none">- Quick & simple design, installation and management- 24/7 monitoring and analysis |
| SAFE | [| <ul style="list-style-type: none">- Low voltage DC- Reduced fire risk |



APPROVED
—AS NOTED—

PERMIT NO.

APPROVED BY

BLD11-3503

8/18/11

Standardized Permit Submittal

Residential Photovoltaic Systems



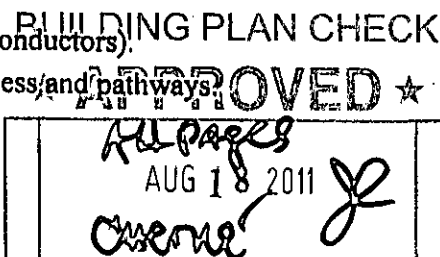
REDWOOD EMPIRE ASSOCIATION OF CODE OFFICIALS

Purpose

In an effort to promote a consistent methodology of processing permits by all jurisdictions within the Redwood Empire Chapter of Code Officials, this standardized permit submittal has been developed for residential (one and two family dwellings) roof mounted PV systems of up to 5 KW. If the project is located in a historical district, or is a ground mount system, additional requirements for review may be required.

Design and Review

1. All PV applications shall be reviewed at the front counter for completeness. Every attempt will be made to review and approve projects that are residential PV systems of 5 KW or less "over-the-counter".
2. Larger PV systems (>5 KW) or systems using new technology (i.e., micro inverters, thin film panels, etc.) may be required to submit detailed plans and specifications for plan review.
3. All PV system plans shall specify:
 - a. Conductor wiring methods and insulation rating, system and solar panel grounding methods as per inverter and solar panel manufacturer's listings, and PV system DC and AC disconnects.
 - b. Signage (on panel(s), disconnects and transmission line conductors).
 - c. Placement of equipment and modules with associated access and pathways.
 - d. Equipment type, listing, testing agency approvals, etc.
 - e. Panel attachment details.



Worksheet Requirements

1. General information: Name of applicant, address of project, name of licensed contractor, size of system being installed.
2. Completion of system detail worksheet and site plan. (attached)
3. Single line diagram of electrical equipment clearly showing size of main panel, sub panels, PV system equipment, including make, model, size of units, and disconnects.
4. Listing information, including mounting, wire type, method of grounding, of PV modules and mounting racks.



FILE COPY
BLD11-3503

4/30/2009

4'21-1103

Photovoltaic Disconnect Requirements

1. PV disconnect shall be installed in a readily accessible location and located together when possible. All electrical panel disconnecting means shall be designed to shut off all power (solar and domestic).

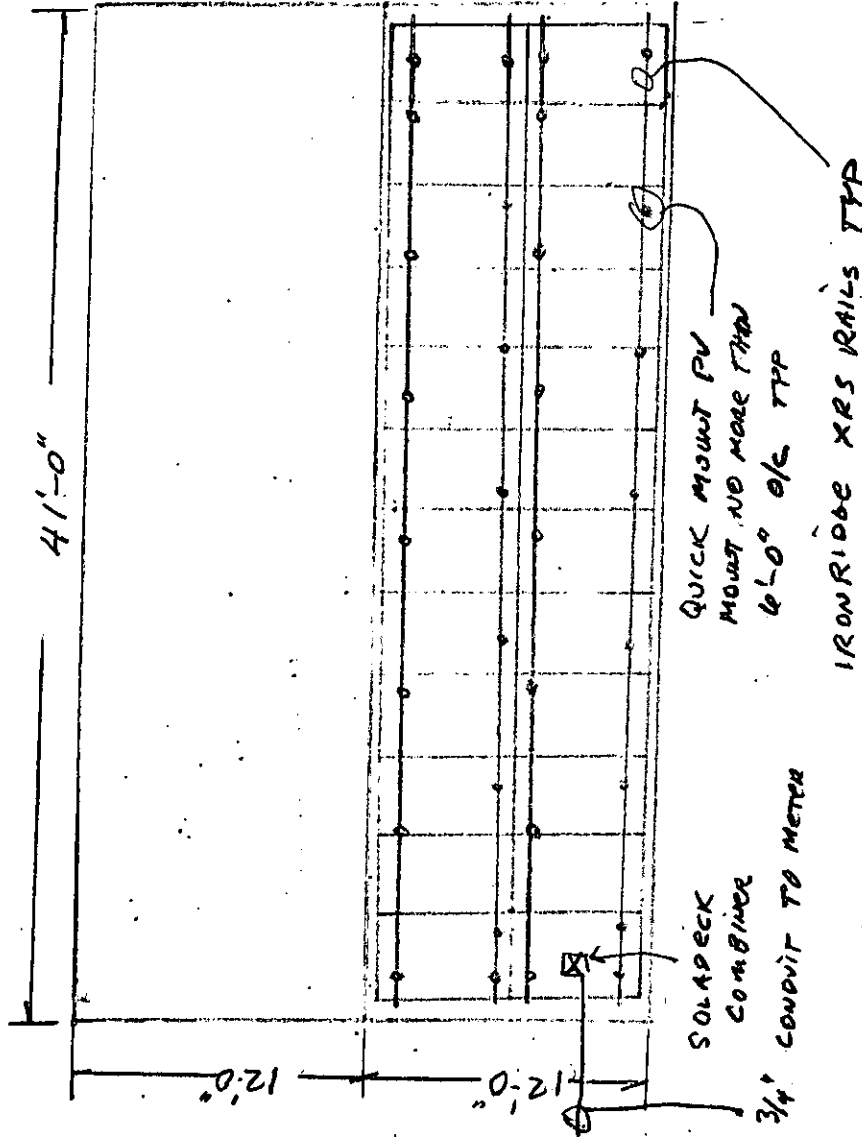
Protection of Emergency Responders

The following conditions shall be verified and apply to all roof and ground mount solar PV systems:

1. All sharp edges and fastener tips shall be covered or crimped over to eliminate sharp edges. This will minimize risk of injury to emergency responders (or any other individual accessing the roof top).
2. All roof surface mounted conduits, pipes, braces, etc. crossing the pathways are to be clearly identified by a red/white reflective tape, or other approved identifying material.

The Office of the State Fire Marshal has produced guidelines for roof access at photovoltaic panel array locations for emergency responders. These guidelines, while not in the building codes, may be enforced by the local jurisdiction. It is recommended that you contact the local fire and building department prior to submitting your application.

Photovoltaic System Layout & Site Plan



Checklist for PV System Plan Check

- | | | |
|---|-----------------------------|---|
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Is a basic site diagram provided showing location of structure and equipment? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Is the array configuration shown? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Is the array wiring identified? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Is the combinerfunction box identified? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Is the AC / DC disconnect box identified? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Is the equipment grounding specified? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Is the conduit size from the array to the power source identified? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Are cut sheets provided for the PV modules? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Are cut sheets provided for the mounting hardware? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Are cut sheets provided for the inverter? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Is the system user's manual available to property owner? |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Does the roof appear to be in good condition? |

Three forms of signage are required for Solar PV Systems. Permanently affixed labels shall have a red background with white lettering. Printed material shall be resistant to fading per UL 969, and CEC Article 690.

JENKINS