

B

Type

Plans

BUD13 - 3604

Permit Number

205

Street Number

Unsubline Rd

Street Name

WIN

Community Code

050 - 232 - 020

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: Sierra Marantz Date Applied: _____

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION - PRINT CLEARLY

Site Address: 205 Ursuline Rd City: Santa Rosa ZIP: 95403
 Cross-Street: Mark West Springs Rd. APN: 058-032-020 Project Phone #: (707) 494-7090 Project Fax #: _____
 Directions: _____ Email address: _____ Unit #: _____ Lot #: _____
 Describe Project: 9 solar electric modules to be flush mounted to SFD. 2.34 kW DC Living Area: _____ Garage: _____ Decks: _____ Contract Price: \$10,304

OWNER NAME AND ADDRESS

APPLICANT NAME AND ADDRESS

Name: Brien Farrell Name: Sierra Marantz
 Mailing Address: 205 Ursuline Rd. Mailing Address: PO Box 1938
 City: Santa Rosa State: CA ZIP: 95403 City: Sebastopol State: CA ZIP: 95473
 Day Ph: (707) 494-7090 Fax: () Day Ph: (707) 829-8282 Fax: (707) 829-8283

CONTRACTOR INFORMATION

OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)

Company Name: JP & Son, Inc. dba Solar Works Name: _____
 Address: P.O. Box 1938 Address: _____
 City: Sebastopol State: CA ZIP: 95473 City: _____ State: _____ ZIP: _____
 Day Ph: (707) 829-8282 Fax: (707) 829-8283 Day Ph: () Fax: ()

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: Companion
 Policy No.: CPCA-17728

(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 these provisions.

Exp. Date: 8/1/14 Applicant: Sierra Marantz

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 3706 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.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: C-46 Lic. No.: 878231

Exp. Date: 5/31/14 Contractor: JP & Son, Inc. dba Solar Works

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: Sierra Marantz
 ADDRESS: 400 C Morris St. Sebastopol CITY: Sebastopol ZIP: 95472

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: _____ Date: _____
 Fire: _____ Date: _____

Code Enforcement Violation Yes No Violation # _____
 This permit is limited to _____ days.

Work Authorized: flush mounted PV system

<input checked="" type="checkbox"/> Plans Approved	<input type="checkbox"/> Post FIRM	<input type="checkbox"/> Alquist Priolo Report Available
<input type="checkbox"/> No Plans Subject to Field Inspection	<input type="checkbox"/> Pre FIRM	<input type="checkbox"/> Geotechnical report Available
Plancheck Cleared By: <u>[Signature]</u> Date: <u>8/8/13</u>	Type of Construction: <u>VB</u>	Occupancy: <u>R3</u>
Permit Cleared for Issuance By: <u>[Signature]</u> Date: <u>8/8/13</u>	Auto. Fire Sprinklers Req'd: _____	No. of Units: _____
		Certificate of Occupancy: _____

Machine Space for Permit Fee
PAYMENT REC'D
 \$ _____
 2013 08 20 13

JOB ADDRESS: 205 Ursuline Rd WCH
 PERMIT NUMBER: BL013-36004
 INSPECTION AREA: 11

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			650)	SUSMP INSPECTION
144)	WATER TANKS			651)	NPDES EROSION COMPLIANCE
	<input type="checkbox"/> SLAB		<input type="checkbox"/> WALLS	652)	NPDES SEDIMENT COMPLIANCE
170)	TEMPORARY OCCUPANCY			653)	NPDES DOCS/SWPPP
171)	TEMPORARY ELECTRICAL			FIRE INSPECTION REQUIRED	
172)	TEMPORARY GAS			<input type="checkbox"/> Yes	<input type="checkbox"/> No
174)	ELECTRIC METER AUTHORIZATION			759)	KNOX BOX
152)	PANEL BOARDS/SERVICE			760)	PROPANE TANK HOLD DOWNS
189)	SEPTIC ELECTRIC FINAL			770)	SPRINKLER FINAL
175)	GAS METER AUTHORIZATION			771)	ABOVEGROUND HYDROSTATIC
153)	GAS PRESSURE TEST			772)	UNDERGROUND HYDROSTATIC
	HOUSE		YARD	773)	UNDERGROUND FLUSH
190)	MANUF. HOME FOUNDATION			774)	THRUST BLOCKS
191)	MANUF. HOME INSTALLATION			775)	PIPE WELD
	CONTINUITY			776)	HYDRANTS/APPLIANCES
	STAIRS/SKIRTS			777)	PUMP ACCEPTANCE
	RIDGE BOLTING			778)	WATER SUPPLY/TANK
193)	MANUF. HOME COND. FINAL			779)	ALARM SYSTEM
	SWIMMING POOLS			780)	HOOD & DUCT SYSTEM
194)	PRE-GUNITE			781)	ABOVEGROUND TANK/DISPENSER
195)	PRE-DECK			198)	FIRE FINAL
196)	PRE-PLASTER/FENCE			CLEARANCES:	
197)	VINYL/FIBERGLASS POOL EXCAVATION			FIRE	<input type="checkbox"/> Local <input type="checkbox"/> County
102)	GRADING FINAL			HEALTH DEPARTMENT	
176)	ELECTRICAL FINAL			ZONING	
177)	MECHANICAL FINAL			SANITATION	
178)	PLUMBING FINAL				
199)	FINAL	8/21/13	DF		
OCCUPANCY (OK TO OCCUPY)				PLAN RETENTION REQUIRED	
				<input type="checkbox"/> Yes	<input type="checkbox"/> No

PERMIT # BUD13-3604

Companion Property & Casualty Insurance Company

Companion Property & Casualty
5501 LBJ Freeway Suite 1200
Dallas, TX 75240

Binder Confirmation

RE: Quote #: 137569

Insured Name: JP & Sun, Inc dba Solar Works

The above referenced quote was bound on 8/1/2013 with the policy number CPCA17728.

We must obtain a completed, signed Policy Information Page within 10 days in order to issue a policy.

Please reference the above policy number on the application and any future communication regarding this file.

Thank you for your continued business and support.

Companion Property & Casualty Insurance Company

Policy Issuance/Service

RETAIN

BW13-3604

OK per Regina



COUNTY OF SONOMA
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT
2550 Ventura Avenue, Santa Rosa, CA 95403
(707) 565-1900 FAX (707) 565-1103

Smoke/CO Alarm Self Verification Form

Building Permit # BL013-3604

Dear Property Owner:

The California Residential Code (CRC) requires carbon monoxide alarms in dwellings as well as smoke alarms (Sections R314 and R315 respectively) when building permits are issued and the scope of work exceeds a total cost or calculated valuation of \$1,000. In order to grant a final approval on your permit, it is necessary to verify the installation of these alarms within your dwelling. This form provides the property owner the ability to self verify to PRMD when work done does not allow convenient access to the interior of the dwelling (eg: re-roof or other exterior work)

By signing this document, the property owner certifies to PRMD that both smoke alarms and CO alarms have been installed on the above referenced project as specified below:

Smoke alarms are installed in accordance with the approved manufacturer's instructions in all of the following areas:

- Each sleeping unit
- In hallways of areas giving access to the sleeping units
- On each floor, if a multi-story
- In the basement, if a basement exists

Carbon Monoxide alarms are installed in accordance with the approved manufacturer's instructions in all of the following areas:

- Outside each sleeping unit
- On every floor level of dwelling unit, including basements, outside each sleeping unit.
- Within sleeping units where a fossil fuel burning appliance is installed (includes fireplaces)

Please fill in the requested information at the bottom of the form and return the form by mail to the Sonoma County Permit and Resource Management Department, Building & Safety Division, 2550 Ventura Avenue, Santa Rosa, CA 95403. Alternatively, this form may be submitted to the building inspector at the time the final inspection is performed.

KATHRYN A. FARRELL
Property Owner's Name

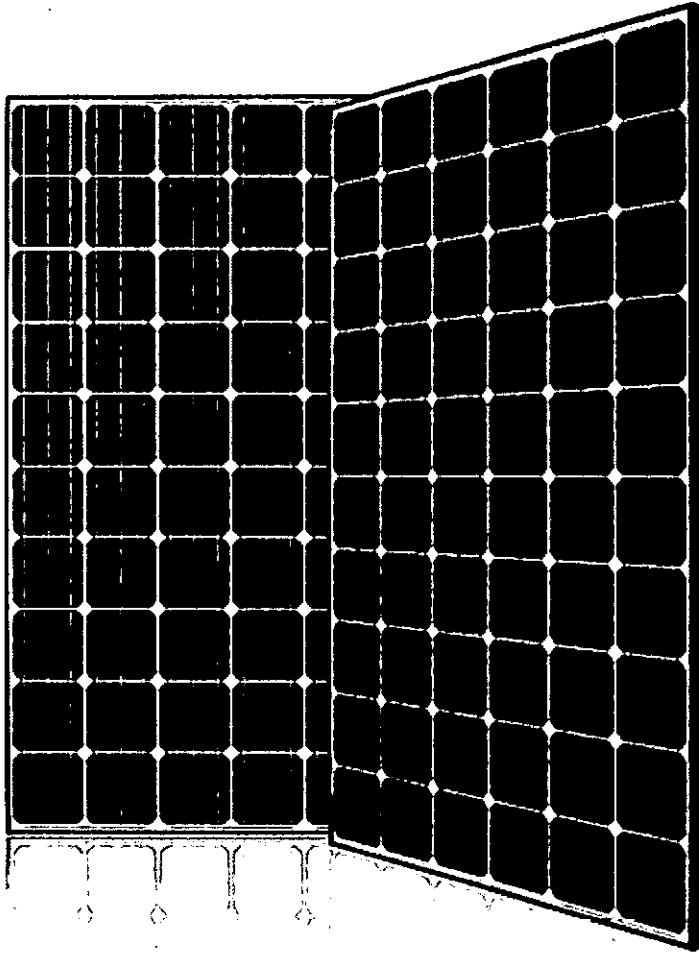
Kathryn Farrell 8-21-13
Signature Date

205 Ursuline Road, Sebastopol, CA SANTA ROSA
Project Address

Inspector:

MonoX™

LG260S1C-G3 / LG255S1C-G3 / LG250S1C-G3



LG Electronics, Inc. (Korea Exchange: 06657.KS) is one of the globally leading companies and technology innovator for electronics, information and communication products. The LG Electronics currently employs more than 91,000 people worldwide in 117 companies. In fiscal year 2011, 48.97 billion USD of revenue was achieved.

LG is one of the world's largest manufacturers of mobile phones, flat screen TVs, air conditioners, washing machines and refrigerators. As a future-oriented company, LG enables others to use technology consisting of renewable energies. LG's high quality solar products are being manufactured in LG's leading production facility in South Korea.



Convenient Installation

LG modules are carefully designed to benefit installers by allowing quick and easy installations throughout the carrying, grounding, and connecting stages of modules

Extra Power

To minimize losses due to mismatch, LG produces 3 groups of solar modules which are sorted by its current class. This enables MonoX™ to maximize the system's output by around 2% based off the theoretical calculation.

Positive Power Tolerance

LG provides rigorous quality testing to solar modules to assure customers of the stated power outputs of all modules, with a positive nominal tolerance starting at 0%



Light Weight

Light and Robust

With a weight of just 16.8 kg, LG modules are proven to demonstrate outstanding durability against external pressure up to 5400 Pa.



Convenient Installation



EL Test

100% EL Test Completed

All LG modules pass Electroluminescence inspection. This EL inspection detects cracks and other imperfections unseen by the naked eye



Current Sorting



Linear Warranty

Reliable Warranties

LG stands by its products with the strength of a global corporation and sterling warranty policies. LG offers a 10 year product limited warranty and a 25 year limited linear output warranty

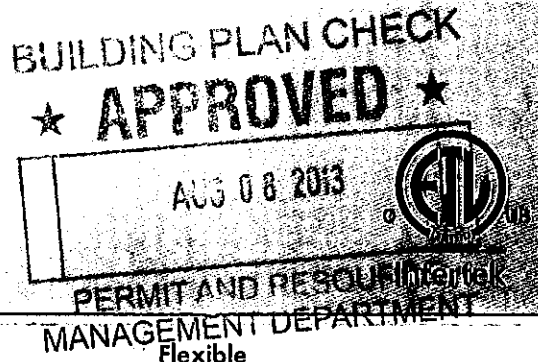
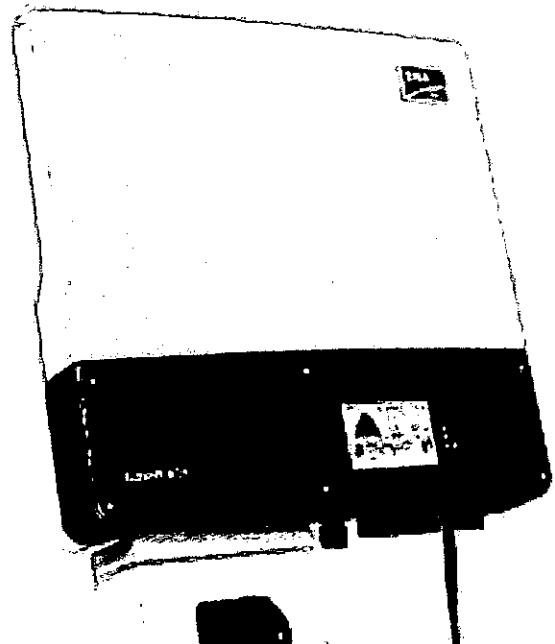


Positive Power Tolerance



SUNNY BOY 3000TL-US / 4000TL-US / 5000TL-US

SB 3000TL-US-22 / 4000TL-US-22 / 5000TL-US-22



Certified

- UL 1741 and 1699B compliant
- Integrated AFCI meets the requirements of NEC 2011 690.11

Innovative

- Secure Power Supply provides daytime power in case of grid outage

Powerful

- 97.2% maximum efficiency
- Wide input voltage range
- Shade management with OptiTrac Global Peak MPP tracking

Flexible

- Two MPP trackers provide numerous design options
- Extended operating temperature range

SUNNY BOY 3000TL-US / 4000TL-US / 5000TL-US

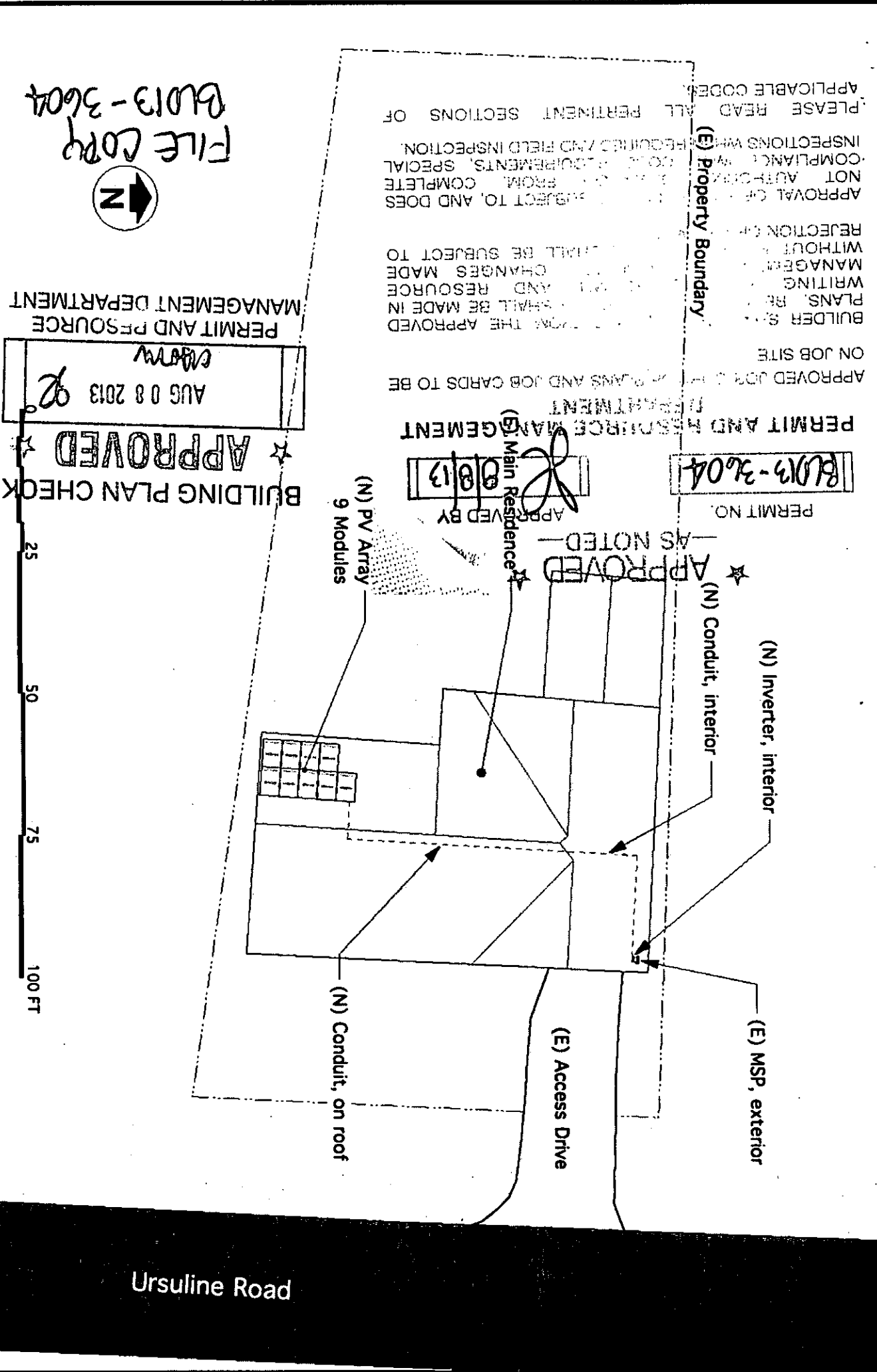
Setting new heights in residential inverter performance

The Sunny Boy 3000TL-US/4000TL-US/5000TL-US represents the next step in performance for UL certified inverters. Its transformerless design means high efficiency and reduced weight. Maximum power production is derived from wide input voltage and operating temperature ranges. Multiple MPP trackers and OptiTrac™ Global Peak mitigate the effect of shade and allow for installation at challenging sites. The unique Secure Power Supply feature provides daytime power in the event of a grid outage. High performance, flexible design and innovative features make the Sunny Boy TL-US series the first choice among solar professionals.

Client: Brien and Cathy Farrell
 Address: 205 Ursuline Road
 Santa Rosa, CA 95403

Title: 2.34 kW Photovoltaic Installation

Drawing Title: Site Plan
 Drawn By: Jamei Tierney
 Date: July 26, 2013
 Sheet: 1 OF 4

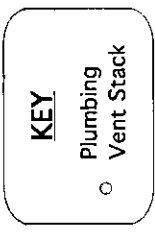
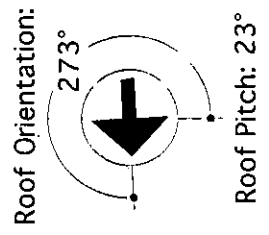
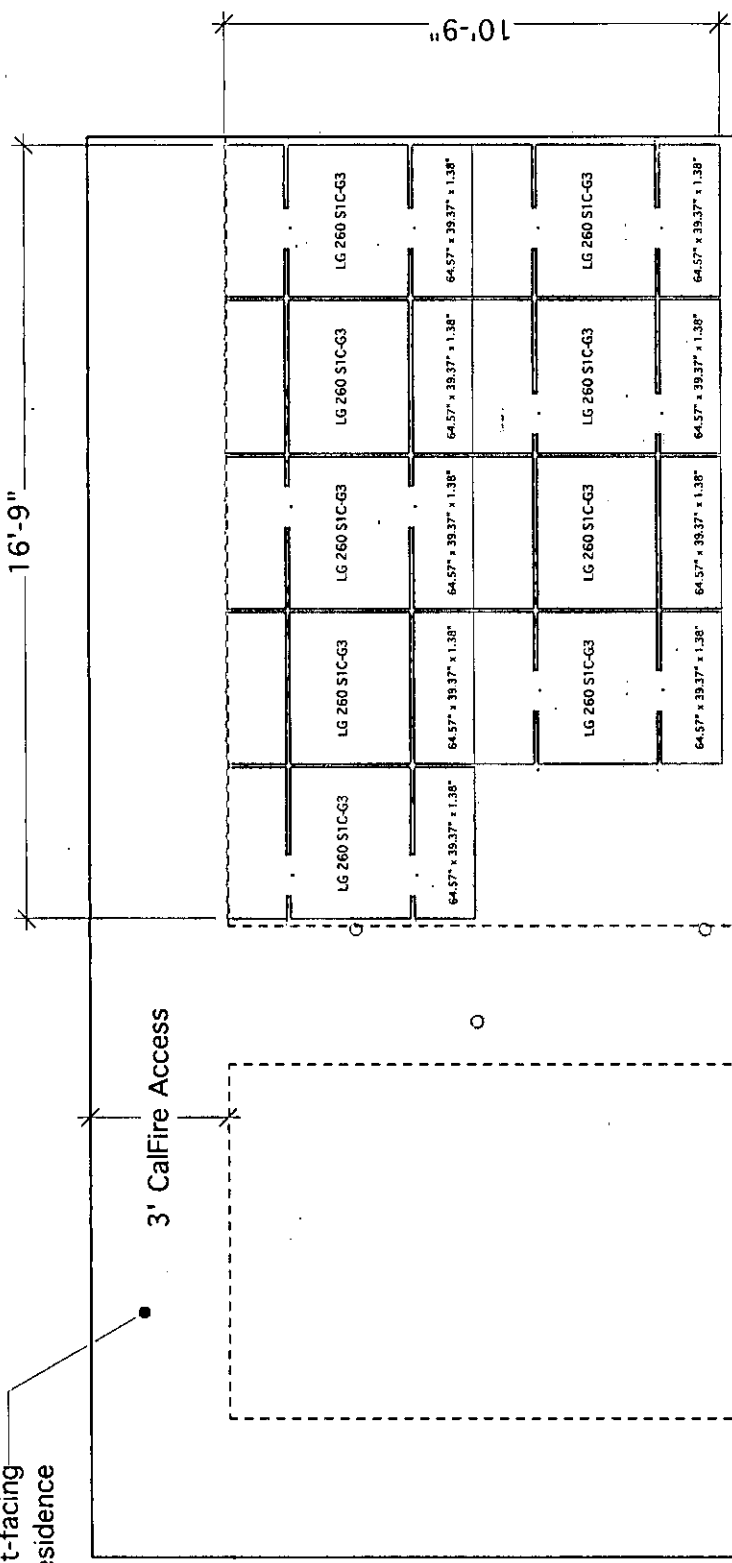


FILE COPY
 BLD13-3604

PLEASE READ ALL PERTINENT SECTIONS OF APPLICABLE CODES.
 INSPECTIONS WHICH ARE REQUIRED AND FIELD INSPECTION.
 COMPLIANCE WITH ALL CODE REQUIREMENTS, SPECIAL
 APPROVAL OF THE SUBJECT TO, AND DOES
 NOT AUTHORIZE THE SUBJECT TO, AND DOES
 REJECTION OF THE SUBJECT TO, AND DOES
 WITHOUT THE SUBJECT TO, AND DOES
 MANAGER AND RESOURCE
 WRITING PLANS, REVISIONS, AND RESOURCE
 BUILDER SHALL BE MADE IN
 APPROVED JOB ORDER PLANS AND JOB CARDS TO BE
 ON JOB SITE

PERMIT AND RESOURCE MANAGEMENT DEPARTMENT
 PERMIT NO. BLD13-3604
 APPROVED BY [Signature]
 DATE: AUG 08 2013
 APPROVED
 BUILDING PLAN CHECK
 PERMIT AND RESOURCE MANAGEMENT DEPARTMENT
 (E) Property Boundary
 (E) Main Residence
 (N) PV Array 9 Modules
 (N) Conduit, interior
 (E) MSP, exterior
 (E) Access Drive
 (N) Conduit, on roof

South Plane of West-facing Roof of Residence



BUILDING PLAN CHECK
★ APPROVED ★

AUG 08 2013
 PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

Component List		
Equipment	Description	Quantity
PV Modules	LG 260-S1C-G3	9
Inverters	SB 3000TL-US	1

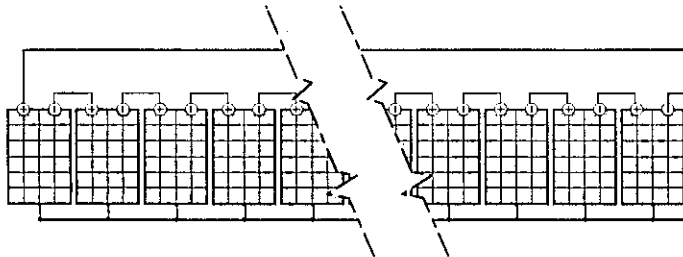
Client: Brien and Cathy Farrell	Address: 205 Ursuline Road Santa Rosa, CA 95403	Drawing Title Roof Array Plan	
		Drawn By Jamei Tierney	Date July 26, 2013
2.34 kW Photovoltaic Installation		Sheet 2 OF 4	



WIRE & CONDUIT SCHEDULE

Key	Wire Run	Power Conductors				Ground	Conduit		
		Type	Dist.	Amps	Qty				
A	Modules to J-Box	USE-2	10 ft	11.5	2	#10	1	#8	n/a
B	J-Box to Inverter	THWN-2	80 ft	11.5	2	#10	1	#8	1/2" EMT or Romex
C	Inverter to MSP	THWN-2	5 ft	15	3	#10	1	#8	1/2" EMT or Romex

PV Array, Roof Mounted
 (9) LG 260S1C-G3 Modules
 260 Watts each
 (1) String of (9) Modules
 2.34 kW Total



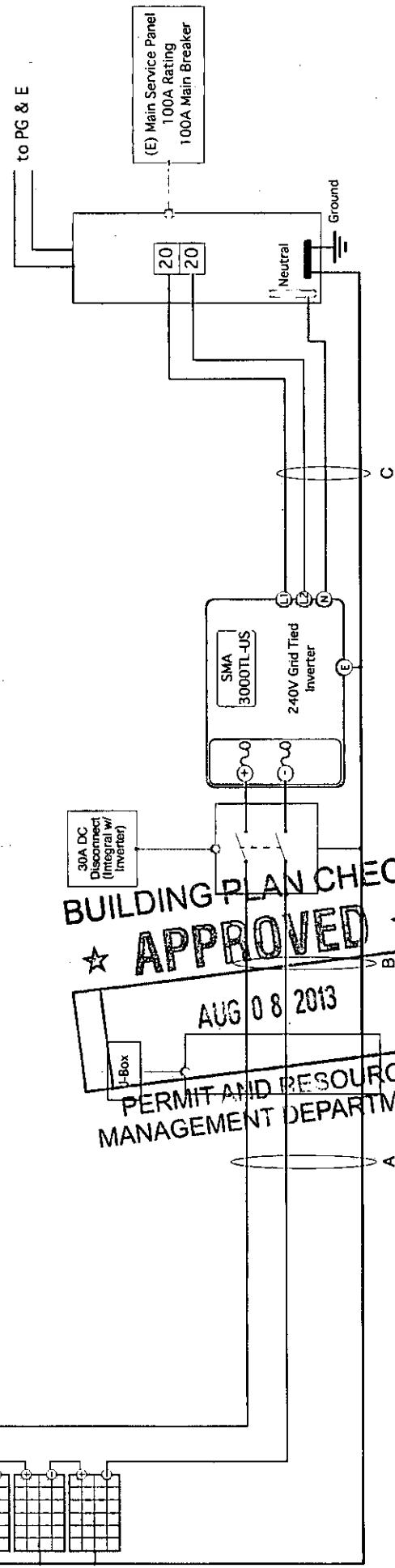
DC DISCONNECT RATINGS	
Max Current Rating	30 A
Voltage Rating	600 Vdc

AC DISCONNECT RATINGS	
Max Current Rating	20 A
Voltage Rating	240 Vac

INVERTER RATINGS	
MAKE: SMA	3000TL-US
Max DC Volt Rating	600Vdc
Max Power @ 40° C	3000 W
Nominal AC Voltage	240 Vac
Max AC Current	15 A
Max OCPD Rating	20 A
Location	Exterior

PV ARRAY INFORMATION	
No. of Modules in Series	9
No. of Parallel DC Circuits	1
Lowest Expected Ambient Temperature	20° F
Highest Continuous Temperature	110° F

PV SYSTEM LABEL DATA	
DC Operating Current	11.5 A
DC Operating Voltage	271.8 Vdc
DC Maximum System Voltage	378.5 Vdc
DC Short Circuit Current	11.5 A
AC Operating Current (A ac)	12.5 A
AC Operating Voltage (V ac)	240



Client Brien and Cathy Farrell	Address 205 Ursuline Road Santa Rosa, CA 95403	Drawing Title Wiring Plan	
		Drawn By Jamei Tierney	Date July 26, 2013
Title 2.34 kW Photovoltaic Installation		Sheet 3 OF 4	

400 C Morris Street, Sebastopol CA 95472
 Ph (707) 829-8282 Fax(707) 829-2570

