

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0104917
Insp Area: 4

Site Address: 4860 DARINGTON LN SAC
Parcel No: 225-1610-035 WESTBR 6 LOT 35

Sub-Type: NSFR
Housing (Y/N): N

CONTRACTOR
MORRISON HOMES
1130 IRON POINT RD STE 120
FOLSOM CA. 95630

OWNER
MORRISON HOMES
1130 IRON POINT RD #120
FOLSOM CA 95630

ARCHITECT

Nature of Work: NSFR MP2819 10 RMS 2 STORY

CONSTRUCTION LENDING AGENCY: 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.)

Lender's Name _____ Lender's Address _____

LICENSED CONTRACTORS 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.

License Class B License Number 519465 Date 4-25-01 Contractor Signature [Signature]

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors 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 Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 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 (\$500.00).

I, as a 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 Professional 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/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/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 & PC for this reason: _____

Date _____ Owner Signature _____

IN ISSUING THIS BUILDING PERMIT, the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and hereby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Date 4-25-01 Applicant Agent Signature [Signature]

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 workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued

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

Carrier ZURICH-AMERICAN INS CO Policy Number WC2090701-03 Exp Date 11/01/2001

(This section need not be completed if the permit is for \$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 workers' compensation laws of this state. If I am not otherwise subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 4-25-01 Applicant Signature [Signature] APR 25 2001

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 (SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE). NEIGHBORHOODS PLANNING AND DEVELOPMENT SERVICES

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.

RESIDENTIAL SUBDIVISION BUILDING PERMIT APPLICATION

Project Address: 4860 Darlington Lane Assessor Parcel # 225-1610-035
Lot Number: 35 Subdivision Westborough Village 6

OWNER INFORMATION:

Legal Property Owner: Morrison Homes Phone# (916) 355-8900
Owner Address: 1130 Iron Point Rd #12 City Folsom State CA Zip 95630

CONTRACTOR INFORMATION:

Contractor: Morrison Homes Lic. # 519465 Phone# 355-8900 Fax 355-0100

PROJECT INFORMATION:

Land Use Zone R1A Occupancy Group R3 Construction Type VN Fed Code 1A
No. of Stories: 2 No. of Rooms: 10 Street Width: _____
1st Floor Area 1546 2nd Floor Area 1273 Basement _____ Roof Material _____
AREA IN SQUARE FOOT OF:
Dwelling/Living 2819
Garage/Storage 655
Decks/Balconies 131
Carports _____
SCOPE OF WORK: New Single Family Dwelling

FOR OFFICE USE ONLY

Information Above Complete AR Flood Waiver Required Planning Approval
 Violation Files Checked Flood Elevation Certificate Required Design Review Approval
 Standard Setbacks Water Development Infill Area Special Fee Districts Apply:
 County Sewer
THE FOLLOWING MUST BE PROVIDED IN ORDER TO SUBMIT FOR PERMIT
 2 COMPLETE PLOT PLANS, LEGIBLE & DRAWN TO SCALE
 11 X 17 COPY OF FLOOR PLAN WITH FOLLOWING INFORMATION
a) Assessor's Parcel Number c) Owners Name
b) New Floor Area d) Project Address

\$185,549 ⁹¹



WesPac



insulation
a MASCO Company

809 North Market Blvd., Ste. 11 • Sacramento, CA 95834
(916) 927-7149 • Fax (916) 927-4257
Lic. #487478

Installed Insulation Certificate

We certify that the building insulation listed herein is installed in conformance with current energy conservation regulations, California Administrative Code, Title 24, State of California

R FACTOR	AREA	TYPE	INCHES/BAGS (BLOWN)
R30	CEILING AREA	FIBERGLASS BLOW	12" / 21 BAGS
R30	CEILING AREA	FIBERGLASS BATT	10.25"
R19	EXT. WALL AREA	FIBERGLASS BATT	6.5"
R13	EXT. WALL AREA	FIBERGLASS BATT	3.5"

LOT 35
4860 DARLINGTON LAKE
SACTO, CA 95835

Certified by

Title

Secretary

Address of Lot Number

BEL-LAGO WESTLAKE

LOT 35 / 4860/35

Date Installed

08/31/01

Phase #

OMEGA PRODUCTS INTERNATIONAL, INC.

DIAMOND WALL INSULATING STUCCO SYSTEM

JOB ADDRESS:

ICBO Report #4004

4860 DARLINGTON LANE
SACRAMENTO, CA 95835

Date of Job Completion 8/3/01

PLASTERING CONTRACTOR:

Name: Stucco Works Inc

Address: 5900 WAREHOUSE WAY SACRAMENTO CA

Telephone No: (916) 383 66 99

Contractor Number of Diamond Wall System 2175

This is to certify that the exterior coating system on the building exterior at the above address has been installed in accordance with the evaluation report specified above and the manufacturer's instructions.

Date 8/9/01

[Signature]
Signature of authorized representative of
Plastering Contractor

This installation card must be presented to the building inspector after completion of work and before final inspection.

✓

System Acceptance Test

Project Name: Bel Lago

Address: 4860 Darlington

1. Perform each step as indicated. Mark each step with a checkmark "✓" if satisfactory, an 'X' if not satisfactory, or 'N/A' if the item is not applicable. Record other information in the space provided for notes.

I. Visual Inspections

A. PV Modules and Module Wiring

Connectors are secured	Y
Cables are properly secured	Y
Module surface is clean	✓
No physical damage to array	✓
Ground wire and lugs are secure	✓

B. Source Circuit Junction Boxes

All connectors are secured	Y
Wiring terminations are tight	Y
Fields wiring is polarity marked	Y
Ground wiring is polarity marked	Y
Labels are in place	Y
Covers are secure	Y

C. DC and AC Disconnected Switches

Wiring terminations are tight	Y
Fields wiring is polarity marked	Y
Conduit connections are tight	Y
Ground wire is secure	Y
Covers are secure	Y

D. Inverter (s)

Verify field wiring is routed properly	Y
Field wiring terminations are tight	Y
Field wiring is polarity marked	Y
Conduit connections are tight	Y
Ground wire is secure	Y
Labels are in place	Y

II. Electrical check-out

A. Wires, Cables and Buses

Wire continuity is ok	Y
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B. Source Circuit Junction Boxes

Polarity and magnitude of inputs are correct	Y
--	---

C. DC Disconnect Switch

Polarity and magnitude of inputs are correct	Y
--	---

D. Inverter(s)

Polarity and magnitude of inputs are correct	Y
--	---

Polarity and magnitude of grid connection is correct	Y
--	---

III. Commissioning

A. System Start Up

Apply AC power to inverter	Y
----------------------------	---

Apply DC power to inverter	Y
----------------------------	---

Confirm system is on-line	Y
---------------------------	---

Confirm operating voltages and power are within expected ranges	Y
---	---

B. System Operation

Turn off DC input. Verify that system AC output is zero.	Y
--	---

Restart system	Y
----------------	---

Turn off DC input. Verify that system AC output is zero.	Y
--	---

Restart system	Y
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C. Inverter(s) function

Display operates properly	Y
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Keypad/panel controls operate properly	N/A
--	-----

Over/under voltage (if possible)	OK
----------------------------------	----

Over/under frequency (if possible)	OK
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Loss of control power (if possible)	N/A
-------------------------------------	-----

Other functions (as applicable)	None
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IV. Test Completed by

Scott Walker
Signature

10/15/01
Date



Project name:

Test date	10/12/01	MM/DD/YYYY
Test time	8:00	H:MIN
Irradiation	N450	Watts / m ²
Ambient temp	70 °F	°C

AC side

Inverter model	ST 2500
(Rig [MΩ]) AC side	OK

DC side

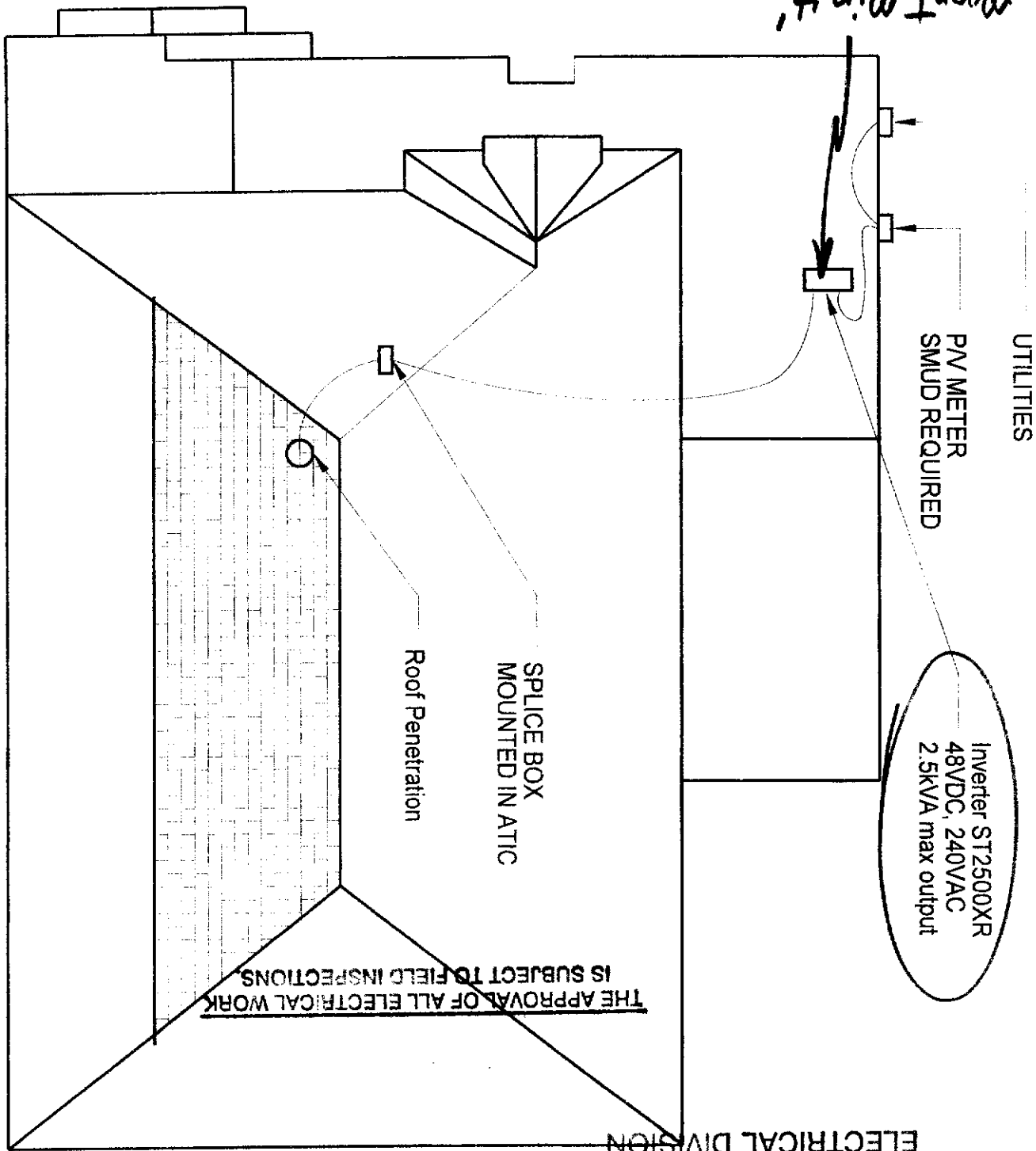
Field	Voc [V]	Isc [A]	Rfg [MΩ]
1778	82.3	1.2	
2777	82.3	1.2	
372.4	82.1	1.18	
472.1	82.3	1.18	
576.9	82.1	1.19	
676.9	82.3	1.19	
776.7	82.1	1.19	
876.5	82.0	1.19	
976.4	81.7	1.20	
1011	82.0	1.20	
11			
12			
13			
14			
15			
16			
17			
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21			
22			
23			
24			
25			
26			

Notes:
 Field # to fixed system OK.
 Atlantis Energy
 odor Quality
 10/15/01

100
 9/9/01

Signature: *Robert Waller*
 Date: 10.12.01

Mount Min 4'
to bottom of inverter
or bollards are required



UTILITIES

PV METER
SMUD REQUIRED

Inverter ST2500XR
48VDC, 240VAC
2.5kVA max output

SPLICE BOX
MOUNTED IN ATTIC

Roof Penetration

THE APPROVAL OF ALL ELECTRICAL WORK
IS SUBJECT TO FIELD INSPECTIONS

ELECTRICAL DIVISION

APPROVED PER 1996
NATIONAL ELECTRICAL CODE
AND CITY OF SACRAMENTO
AMENDMENTS
T.L.M. 10-12-2001

MORRISON HOMES BEL LAGO PLAN#2819'B' LOT#35

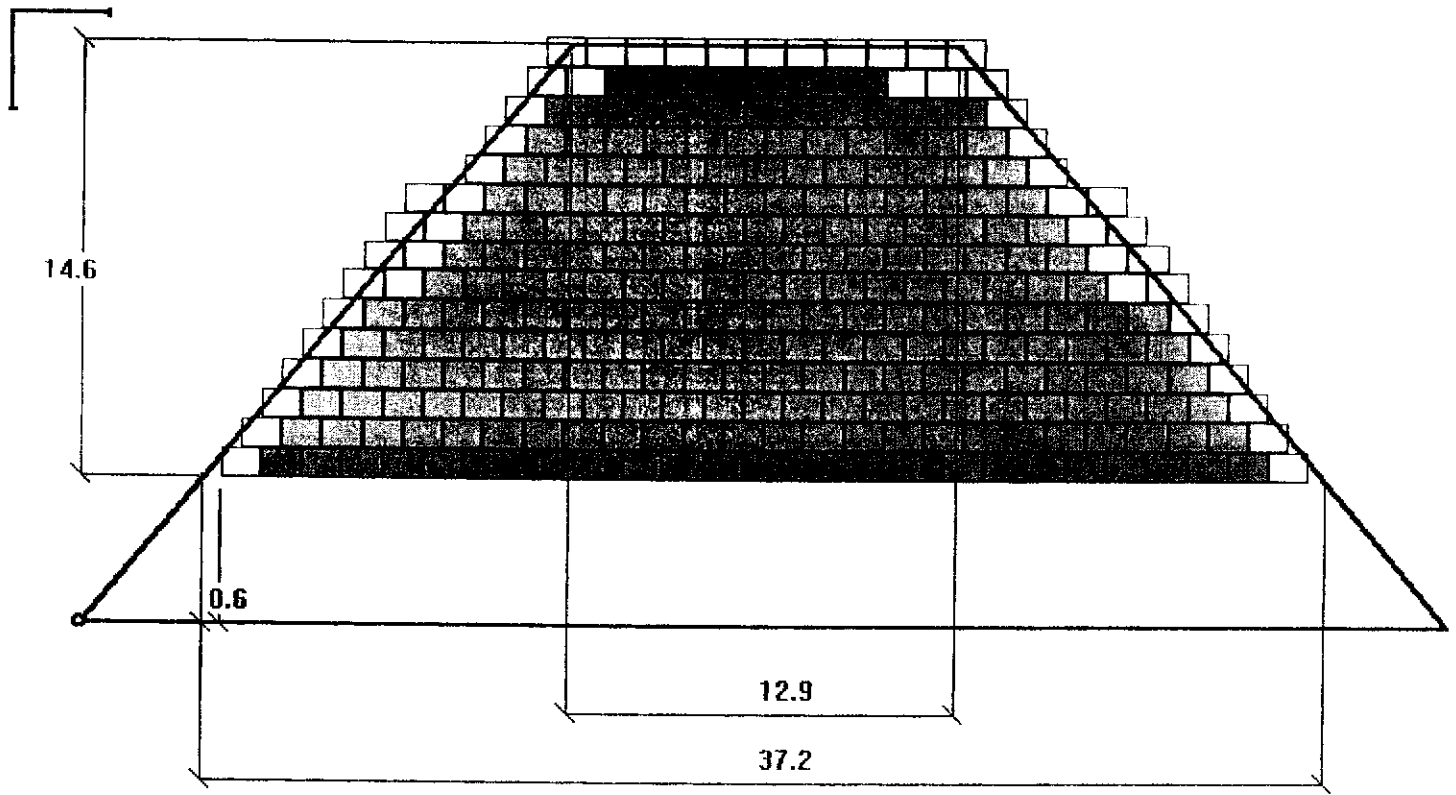
4860 Darlington Ln.



Project Name: PLAN 2819-A

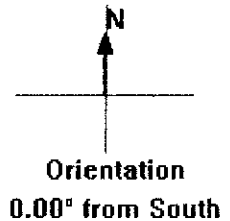
System Design

Offer S-01.10.S1



PHOTOVOLTAIC SYSTEM
CONNECTIONS

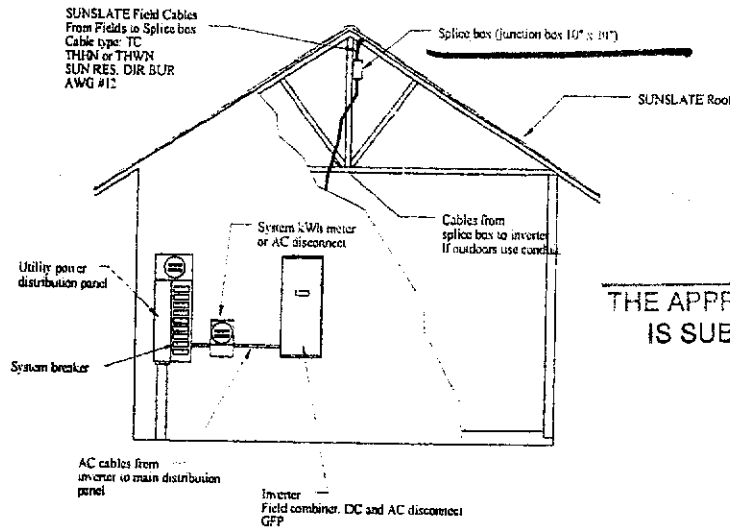
Total installed power DC @ STC:	2,877	[W]
Total installed power AC @ PTC:	2,175	[W]
Sunslates surface:	310.0	Sq.Ft.



240 - SUNSLATES® SYSTEM

240 - SUNSLATES® SYSTEM PACKAGE SPECIFICATIONS

Maximum Surface	415	Sq.Ft.
Minimum Surface	355	Sq.Ft.
SUNSLATES® Surface	311	Sq.Ft.
SUNSLATES® Power @ STC	2.93	kWatts



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IS SUBJECT TO FIELD INSPECTIONS.**

MATERIALS

ROOF	SUNSLATES® /w cables	SM-II	240
	Field cables	Max 50' each	10
	Bridge cables	Field loop	12
	Twister cables	Row to row cable	16
	Shields	Strain relief	250
	Silicone sealant	Shin-Etsu, 1 component RTV- tube	3
	'Eternit' slates	40 x 72	80
	'Eternit' starters	40 x 42	42
	Hooks	200 per box	2
	Installation tool	'T' type	2
	Battens - vertical	2 x 2 in feet	--
	Battens - horizontal	1 x 4 in feet	--
NOTE: Other materials required for roof installation (as flashing, ridge covers...etc.) will be ordered and billed as needed. Does not include roof under-laymen's (as plywood, roofing felt...etc.). Wood price may vary depending on market prices.			
ELECTRICAL	DC to AC Inverter	ST 2500 XR/ 240, 3 wire	1
	Pull box / splice box	10" x 10" with terminal strips	1
	Field combiner box /w fuses	TCB - 10/10 inputs	1
	Meter base or disconnect	4 Jaw meter base	1
	System breaker	15 Amp / 240 Volt	1
	DC meter / DC amps and DC volts	500 VDC, 10 ADC	1
NOTE: Cables from splice box to inverter (12 total) and from inverter to beaker panel are to be provided by contractor. For cable sizing review the table below. Other materials required for electrical installation (as conduits, pull boxes, cables, fittings...etc.) are not included.			

240 - SUNSLATES® SYSTEM

SUNSLATES® SPECIFICATIONS:

One SUNSLATE®

SUNSLATES® Model	Pmax Watts	Vmax Volts	Voc Volts	Imax Amps	Isc Amps
SM-II	12.20	2.86	3.67	4.30	4.72

Field of 24 SUNSLATES® in series (String)

SUNSLATES® Model	Pmax Watts	Vmax Volts	Voc Volts	Imax Amps	Isc Amps
24 - SM-II	292.8	68.64	88.08	4.30	4.72

System of 10 SUNSLATES® fields in parallel

SUNSLATES® Model	Pmax Watts	Vmax Volts	Voc Volts	Imax Amps	Isc Amps
24 - SM-II	2,928.0	68.64	88.08	43.0	47.2

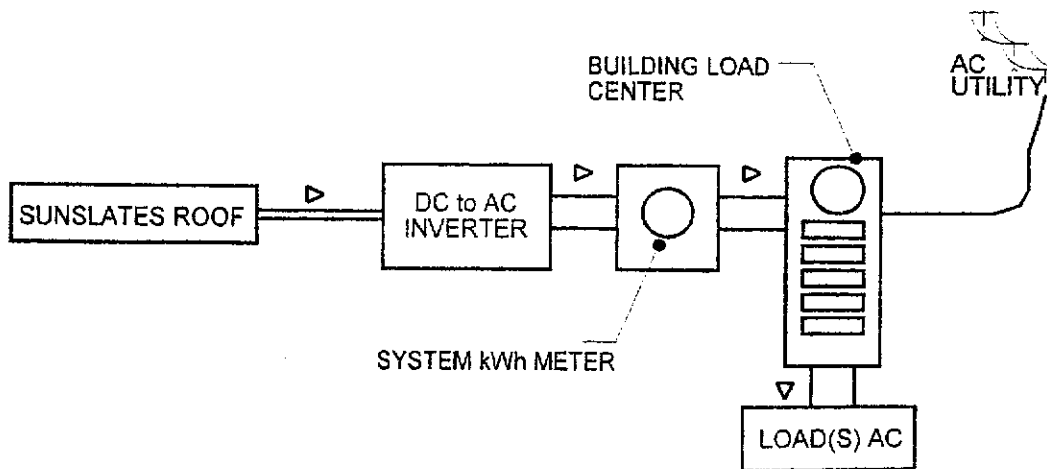
The system is designed for a 48VDC nominal voltage. The electrical characteristics are within ± 10 percent of the indicated values of Isc, Voc and Pmax under standard test conditions (1000 W/m² irradiance, 25 degC (77 degF) cell temperature and AM 1.5 spectrum). Under normal conditions, the SUNSLATE™ is likely to experience conditions that produce more current and/or voltage than reported at standard test conditions (output may vary depending on time of day, time of year, ambient conditions, ambient temperature and shading). Accordingly, the value of Isc and Voc marked on the SUNSLATE should be multiplied by a factor 1.25 when determining component voltage ratings, conductor ampacities, fuse size and the size of controls connected to the PV output.

SYSTEM DESCRIPTION

The grid connected power systems consist from:

- Installed SUNSLATES®
- Cables
- DC to AC inverter
- Load (building AC loads from distribution panel).

**THE APPROVAL OF ALL ELECTRICAL WORK
IS SUBJECT TO FIELD INSPECTIONS**

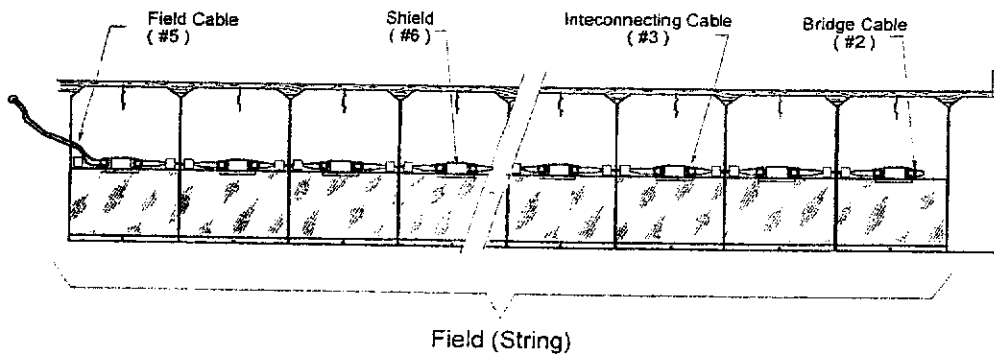


240 - SUNSLATES® SYSTEM

This is one of the most common SUNSLATES® system designs. Saving the energy is done by back feeding the utility grid with the generated power. The system will generate electricity in the day, run the kWh meter backwards, building up a credit (if access power is generated) and the building will use this credit at night.

The building (roof) on which the SUNSLATES® are installed is setup from SUNSLATES® fields (strings). All the fields are installed with an equal number of SUNSLATES® in them (24 SUNSLATES®). The field has a beginning (bridge cable) and an end (field connecting cable). When installing the field, always start (first SUNSLATES® from the string) with bridge cable and end with field connecting cable, which goes through the roof into the building.

The "System Design" document (see appendix 2), will show how many fields are needed and the position of every field.

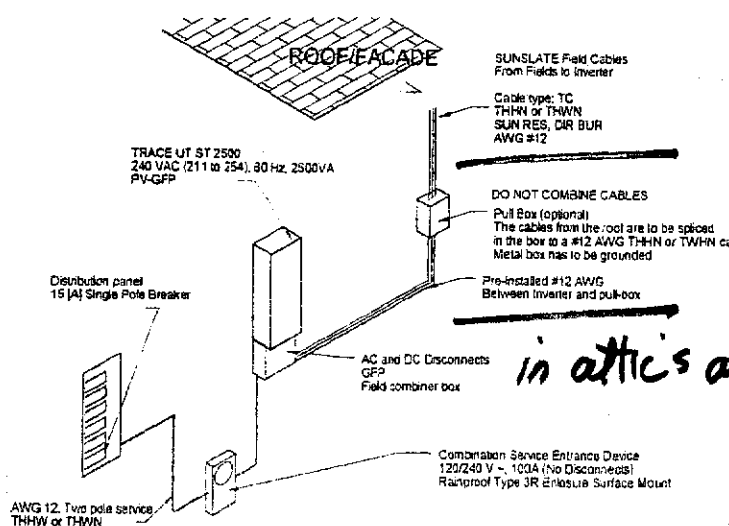


For SUNSLATES® installation details refer to 'SUNSLATES® INSTALLATION MANUAL'
Part # MN100

The fields are then extended using pre-installed cables at the splice box, which is located in a convenient location. The pre-installed cables are mounted run to the inverter where they are combined in parallel. The inverter will transform the DC power into AC matching the utility grid. The produced power will be back-fed into the main electrical distribution panel of the building and if not used by any load from the building will be led back to the utility grid by rotating back the utility's kWh-meter. The additional kWh meter is for monitoring the SUNSLATES® system performance only.

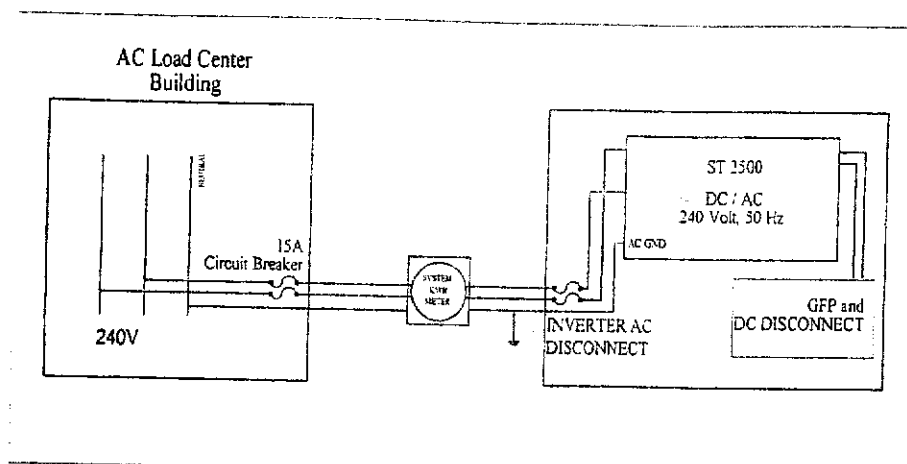
SYSTEM WIRING

THE APPROVAL OF ALL ELECTRICAL WORK
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in attics and walls

AC LINE DIAGRAM



The inverter system consists from:

- DC to AC converter
- Field combiner board
- GFP on the DC side
- DC and AC inverter disconnects

THE APPROVAL OF ALL ELECTRICAL WORK IS SUBJECT TO FIELD INSPECTIONS.

All components are UL listed and pre-installed to comply with NEC section 690. The inverter comes pre-wired and in a wall mount NEMA3R enclosure.

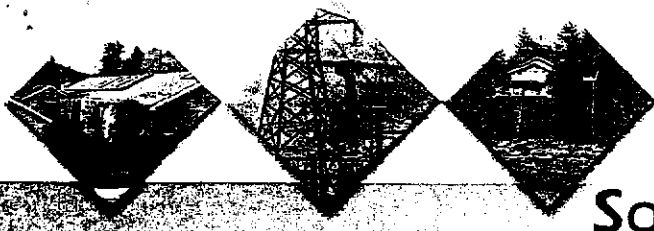
See inverter specifications and installation manual for details

DC WIRE SIZING TABLE

All DC conductors are to be sized using the table below. The voltage drop will be no greater than 1.5% from maximum conditions. Refer to 310-15 and 310-16 of NEC (1996) for correction factors.

Gauge A.W.G.	R @ 77 Ohms Per 1000'	R @ 149 Ohms per 1000'	Diameter in mils 1000th in.	@ 77 degF		@ 149 degF		Metallic Conduit		Gauge A.W.G.
				Maximum Length for Field	Maximum Length for System	Maximum Length for Field	Maximum Length for System	Number of Conductors 2	Number of Conductors 4	
000	0.063	0.073	410	1571	131	1356	113	1.5"	2"	000
00	0.079	0.092	365	1253	104	1076	90	1.25"	2"	00
0	0.1	0.116	325	990	82	853	71	1.25"	1.5"	0
1	0.126	0.146	289	785	65	678	56	1.25"	1.5"	1
2	0.159	0.184	258	622	52	538	45	1"	1.25"	2
4	0.253	0.292	204	391	33	339	28	0.75"	1"	4
6	0.403	0.465	162	246	20	213	18	0.5"	0.75"	6
8	0.641	0.739	128	154	13	134	11	0.5"	0.75"	8
10	1.02	1.18	102	97	8	84	7	0.5"/6	0.5"/6	10
12	1.62	1.87	97	61	5	53	4	0.5"/9	0.5"/9	12

NOTE: All dimensions for length are in feet (1' = 0.3048 m). Length is for a cable of two conductors (positive and negative). Refer to NEC and local building codes for conduit type, installation and grounding. Wire conductor type: THHN, THWN or THWN-2. Based on 1.5% DC voltage drop.



Sun Tie™ (ST) SOLAR ELECTRIC INVERTER

Connecting The Sun To Your Utility Meter

Trace Engineering's new Sun Tie (ST) solar electric inverters are designed, built and priced to make the benefits of site-generated PV power easy for anyone to attain. The Sun Tie operates interactively with the utility, without the use of batteries. Made specifically for new, small-scale, independent power producers, the ST is a perfect choice for anyone interested in participating in the emerging Green Power market. The ST is available in four models with output capacity of 1.0, 1.5, 2.0 and 2.5 kVA.

Distributed generation, using the power of the sun, is a win - win choice for the environment, utility companies and consumers alike. With this form of electrical distribution, solar PV power is generated and inverted at the location where it's used. Solar electricity helps reduce the need for new large-scale—and often environmentally harmful—generating stations and distribution lines.

Consumers can have lower electricity bills because any PV power they generate is either used in their home or business or, when there is excess, sold to the utility company. "Net Metering" is one way electricity is exchanged between the power grid and solar generators. Net Metering programs are available from many utility companies, contact your local electricity provider for details.

Utilities benefit from increased solar generation by gaining the ability to resell the PV power they purchase to environmentally conscious customers at premium Green Power rates. Consumer generated, solar electricity can also help utility companies meet their growth requirements at lower capital costs.

Introducing the Sun Tie

All-in-One Design

All NEC (U.S. National Electrical Code) required DC input and AC output connections, disconnects and circuit breakers are housed within the Sun Tie's compact case. A built in LCD panel provides easy-to-read system status and daily cumulative power production information.

Works With Any Type of PV Technology

The ST is designed to optimize the output from all types of solar electric technologies. The open circuit voltage window of the Sun Tie ranges up to 125 VDC so both conventional Crystalline and newer Thin Film PV modules can be used.

Maximum Power Point Tracking

The Sun Tie uses sophisticated software to track and adjust the output of the PV array. Our Maximum Power Point Tracking (MPPT) software, which samples once a minute, ensures complete harvest of the sun's energy all day long.

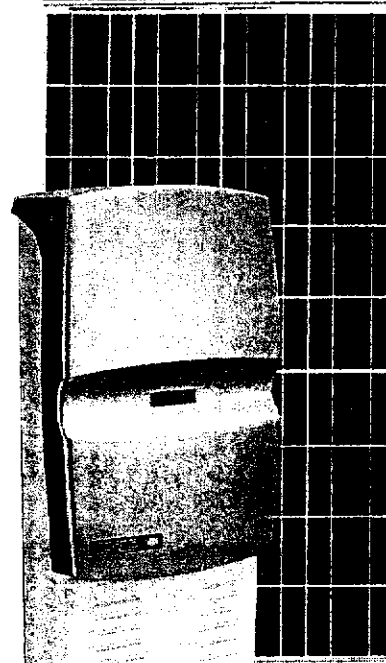
Expandable

Multiple ST inverters can be connected to a utility grid so that additional generating capacity may be added in a fully modular manner.

High Efficiency, Long Life Design

The high frequency, solid state design of the ST inverter is extremely efficient. The inverter efficiency is over 90%, with peak efficiencies of 94%. Built and designed in the U.S.A. by Trace Engineering, makers of the world's most reliable inverters, the Sun Tie is sure to provide many years of trouble free service and carries a two year warranty.

Sun Tie is shown with optional protective rain shield which is for outdoor installation of the inverter.



FOR APPROVAL OF ALL ELECTRICAL WORK
IS SUBJECT TO FIELD INSPECTIONS.

ST Series Inverter*

Standard Features:

Sun Tie—Utility interactive inverter, 240 VAC 60 Hz output. Includes factory installed DC and AC input/output breakers, combination DC and AC lightning arrester.

Options:

STRS—Protective rain shield, required for out door installation of ST Series inverters

Certifications:

UL Listed—The Sun Tie is UL Listed to UL 1741 and cUL Listed to CSA 22.2 No. 107.1-95. The ST is designed to comply with IEEE 929.

Note:

ST1000 and **ST2000** models do not include PV ground fault interrupters and PV combiner boards. Trace offers a PV ground fault interrupter (**PVGFP**) which requires an enclosure (not included) and a UL Listed 10 circuit combiner box (**TCB10**). Both of these items can be ordered separately.

THE POWER COMPANY





Sun Tie

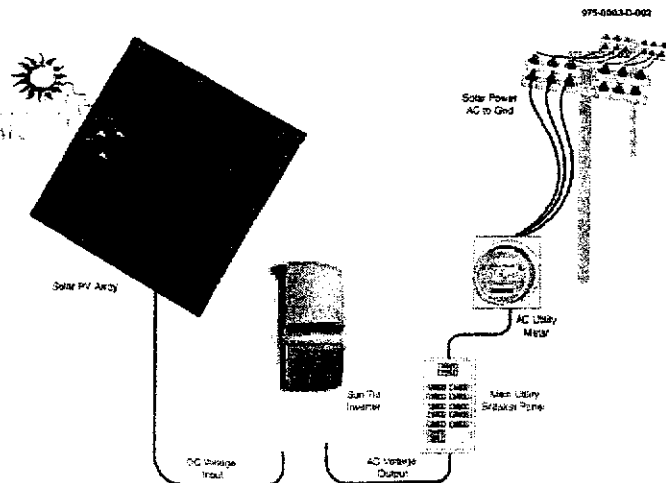
UTILITY INTERACTIVE SOLAR ELECTRIC INVERTER

MODEL	ST1000	ST1500	ST2000	ST2500
AC voltage—nominal	240 VAC			
Maximum power point tracking voltage range	42–85 VDC			
Minimum input DC voltage (for full rated AC output)	52 VDC (typically, four nominal 12 VDC PV modules, in series)			
Minimum wake-up DC input voltage	50 VDC			
Absolute Maximum PV open circuit voltage	125 VDC			
AC voltage—min/max	211–254 VAC			
AC output characteristics	Current source			
Nominal frequency	60 Hz			
Frequency window—min/max	59.5/60.5 Hz Default			
Continuous AC output @ 25 °C	1.0 kVA	1.5 kVA	2.0 kVA	2.5 kVA
Efficiency—peak	92%		94%	
AC output waveform	Sine wave, high frequency PWM controlled			
Total harmonic distortion	Less than 5% at rated power per IEEE 929 and UL 1741			
AC disconnect	Double-pole 15 amp, 240 VAC branch circuited rated breaker			
DC disconnect	Single-pole 100 amp DC rated circuit breaker			
Islanding protection	Over/under AC voltage and frequency detection plus active islanding detection—meets IEEE 929 and UL 1741 requirements			
User display	Backlight alphanumeric LCD display—AC amps, AC volts _{rms} , DC volts, AC frequency, output power (W) and (Wh) produced			
Specified temperature range	-38–113 °F (-39–45 °C)			
Enclosure Type	Outdoor, rainproof, powder coated aluminum enclosure, fully screened			
Dimensions (inverter only)	13.25" W x 33.25" H x 5.3" D (33.8 cm W x 83.1 cm H x 13.25 cm D)			
Dimensions (shipping)	15.75" W x 37.75" H x 9.5" D (39.4 cm W x 94.4 cm H x 23.8 cm D)			
Weight (inverter only)	35 lb. (15.9 kg)			
Weight (shipping)	40 lb. (18 kg)			
Mounting	Vertical wall mount only			
Listings	UL listed to UL1741, 1st edition and cUL listed to CSA C22.2 No. 107.1-95			
STANDARD FEATURES AND OPTIONS				
PV ground and fault protection system	—	Standard	—	Standard
PV combiner board with 6 fused inputs, 20 amps maximum per input	—	Standard	—	Standard
Surge arrester—Combined AC/DC protection	Standard	Standard	Standard	Standard
Rain Shield (STRS) Protective rain shield (required for outdoor installation)	Optional	Optional	Optional	Optional

Specifications subject to change without notice.
Specifications @ 25 °C.

THE APPROVAL OF ALL ELECTRICAL WORK
REQUIRES FIELD INSPECTIONS.

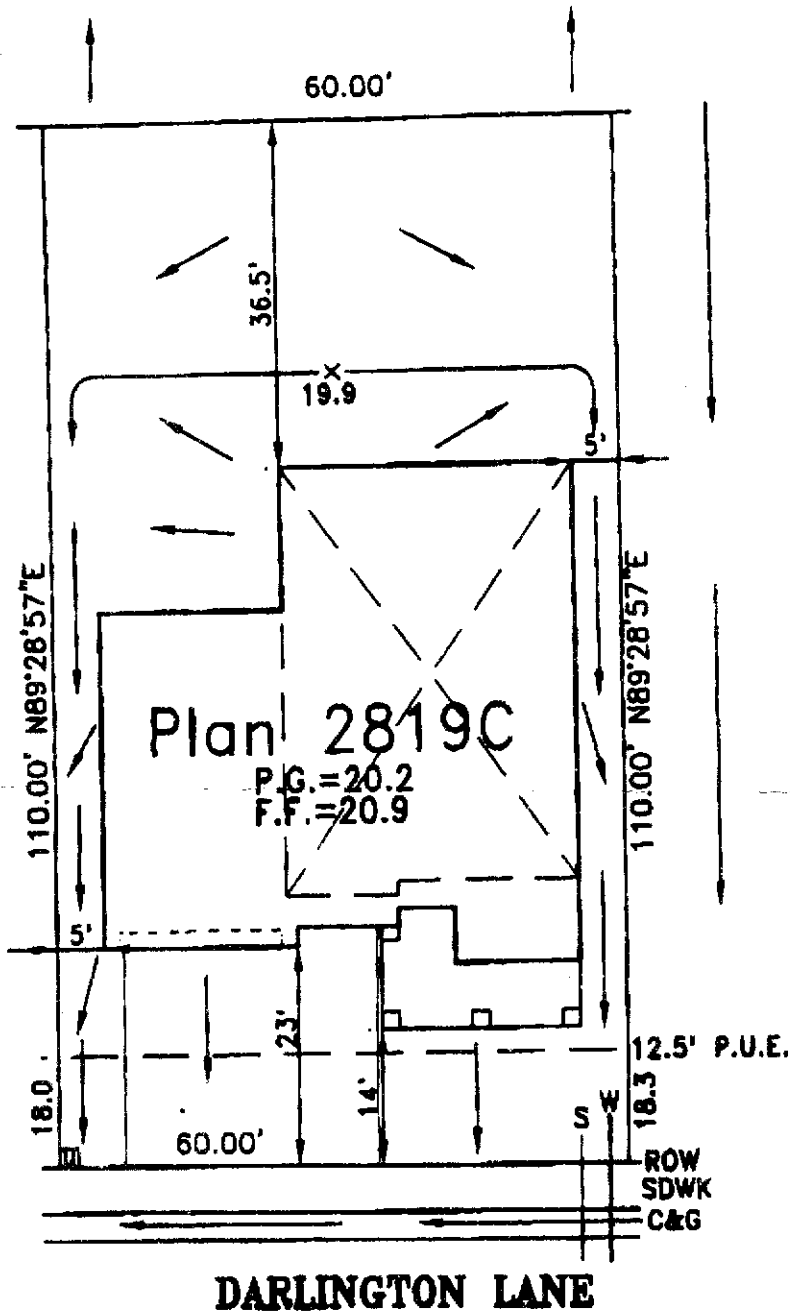
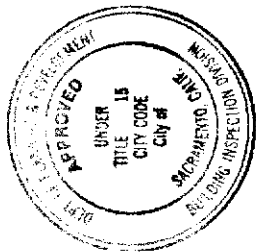
Available From:



The Sun Tie connects all the elements of a utility interactive solar electric system together.

SCALE: 1" = 20'

This set of plans and specifications must be kept on the job at all times and it is unlawful to make any changes or alterations from the same without written permission from the Building Inspection Division.
The approval of this plan and specification SHALL NOT be held to permit or approve the violation of any City Ordinance or State Law.



■ = TRANSFORMER
▭ = UTILITY BOX

LOT COVERAGE 33.3%

UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THIS PLOT WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHARGES TO OR USES OF THIS PLOT.
ALL CHANGES TO THIS PLOT MUST BE IN WRITING AND MUST BE APPROVED BY THE ENGINEER.
THE INFORMATION ON THIS PLOT PLAN IS PROVIDED FOR YOUR CONVENIENCE AS A GUIDE TO THE GENERAL LOCATION OF THE SUBJECT PROPERTY. THE OF THIS PLOT PLAN IS NOT GUARANTEED. NOR IS IT A PART OF ANY POLICY, REPORT, OR GUARANTEE TO WHICH IT MAY BE ATTACHED. ACTUAL DIMENSIONS MAY VARY OR CHANGE WITHOUT PRIOR NOTICE DUE TO ACTUAL SITE CONDITIONS.

CIVIL ENGINEERING SURVEYING
MAPPING PLANNING
WOOD · RODGERS INC.
3301 C STREET BLDG 100B SACRAMENTO, CA 95816
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WESTBOROUGH VILLAGE 6

LOT 35
PLAN 2819C-L

CITY OF SACRAMENTO,

CALIFORNIA

MAR. 2001

DRAWN: VM

CHECKED:

1122.028