

CITY OF SACRAMENTO

Permit No: 0113380

1231 I Street, Sacramento, CA 95814

Insp Area: 4

Site Address: 3186 GUADALAJARA WY SAC

Thos Bros:

Parcel No: RIVERVIEW 1A LOT 82 Housing (Y/N):

Sub-Type: NSFR

N

CONTRACTOR

OWNER

ARCHITECT

BEAZER HOMES
3009 DOUGLAS BL #150
ROSEVILLE CA 95661

Nature of Work: NSFR MP1540 1 STORY 7 RMS

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 724191 Date 10/19/01 Contractor Signature Shuzh Van Maer

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 person 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 10/19/01 Applicant/Agent Signature Shuzh Van Maer

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 LIBERTY MUTUAL INS CO. Policy Number WA2-651-004147-080 Exp Date 04/01/2002

(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 California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 10/19/01 Applicant Signature Shuzh Van Maer

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 FEE.

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



**F. RODGERS INSULATION  
RESIDENTIAL, INC.**

Thermal Insulation Contractors  
Residential

INSULATION  
CERTIFICATE  
2711

7775 LAS POSITAS ROAD, SUITE A • LIVERMORE, CA 94550-0216  
(925) 294-9400 • FAX (925) 294-9475  
8541 YOUNGER CREEK DRIVE, SUITE 400 • SACRAMENTO, CA 98828  
(916) 386-9400 • FAX (916) 386-9446

THIS IS TO CERTIFY THAT INSULATION HAS BEEN INSTALLED IN CONFORMANCE WITH CURRENT ENERGY REGULATIONS, CALIFORNIA ADMINISTRATIVE CODE, TITLE 24, STATE OF CALIFORNIA, IN THE BUILDING LOCATED AT:

BEAZER LOT # 82 TRACT # DEL SOL  
STREET CITY SAC

EXTERIOR WALLS:  
MANUFACTURER o/c THICKNESS/TYPE R- VALUE 13+19

CEILING:  
BAITS:  
MANUFACTURER o/c THICKNESS/TYPE R- VALUE 38  
BLOWN IN: o/c CURB MINIMUM THICKNESS 1 1/2" R- VALUE 38

MANUFACTURER o/c THICKNESS/TYPE R- VALUE 31  
SQUARE FOOTAGE COVERED 1480 NUMBER OF BAGS USED

FLOORS & OVERHANGS:  
MANUFACTURER THICKNESS/TYPE R- VALUE  
OTHER: THICKNESS/TYPE R- VALUE  
MANUFACTURER THICKNESS/TYPE R- VALUE

GENERAL CONTRACTOR \_\_\_\_\_  
CALIFORNIA CONTRACTORS LICENSE # \_\_\_\_\_  
DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_ TITLE \_\_\_\_\_

INSULATION CONTRACTOR F. RODGERS INSULATION RESIDENTIAL  
CALIFORNIA CONTRACTORS LICENSE #771285

B. F. [Signature] DATE 1-12-02  
SIGNATURE TITLE

# 82

# OMEGA PRODUCTS CORP.

DIAMOND WALL INSULATING STUCCO SYSTEM

JOB ADDRESS:

BEAZER PIAZZA DEL SOL

ICBO Report #4004

Date of Job Completion 1/4/02

PLASTERING CONTRACTOR:

Name: STUCCO WORKS INC.

Address: 5900 WAREHOUSE WAY. SACRAMENTO, CALIFORNIA 95826

Telephone No: (916) 383-6699

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 1/19/02

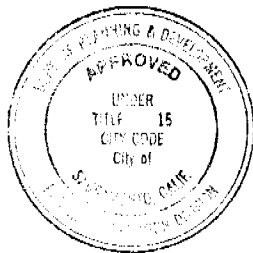
[Signature]  
Signature of authorized representative of  
Plastering Contractor

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

APPROVED PER 1999  
NATIONAL ELECTRICAL CODE  
AND CITY OF SACRAMENTO  
AMENDMENTS  
7.2.m. 2-10-03  
ELECTRICAL DIVISION

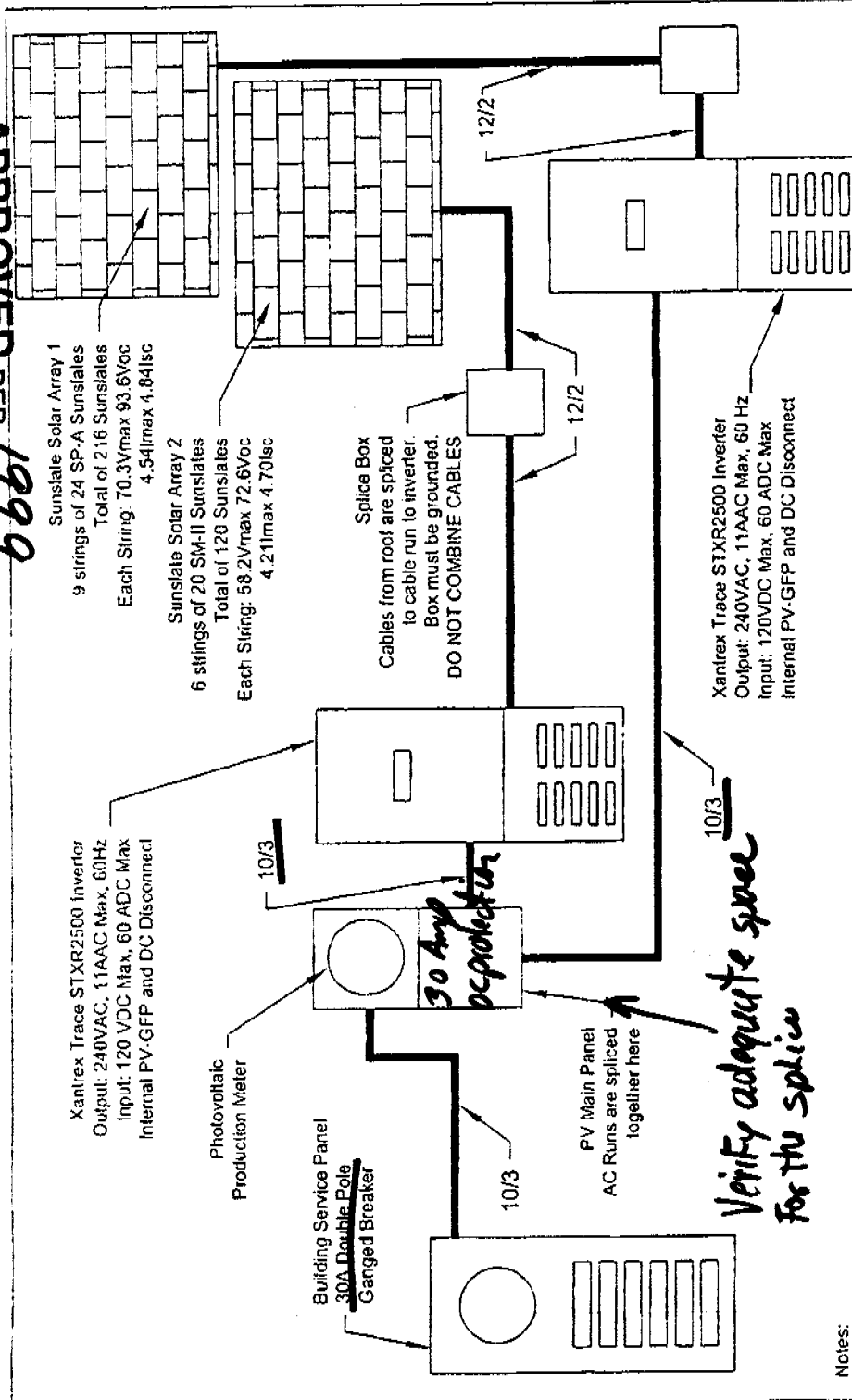
**CITY COPY**  
*Revision to Photovoltaic system*

CITY OF SACRAMENTO  
PERMIT ASSISTANCE  
FEB 10 2003  
**RECEIVED**



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.



Sunstate Solar Array 1  
9 strings of 24 SP-A Sunstates  
Total of 216 Sunstates  
Each String: 70.3Vmax 93.6Voc  
4.54IImax 4.84Isc

Sunstate Solar Array 2  
6 strings of 20 SM-II Sunstates  
Total of 120 Sunstates  
Each String: 58.2Vmax 72.6Voc  
4.21IImax 4.70Isc

Splice Box  
Cables from roof are spliced to cable run to inverter. Box must be grounded. DO NOT COMBINE CABLES

Xantrex Trace STXR2500 Inverter  
Output: 240VAC, 11AAC Max, 60 Hz  
Input: 120VDC Max, 60 ADC Max  
Internal PV-GFP and DC Disconnect

Xantrex Trace STXR2500 Inverter  
Output: 240VAC, 11AAC Max, 60Hz  
Input: 120 VDC Max, 60 ADC Max  
Internal PV-GFP and DC Disconnect

Photovoltaic Production Meter

Building Service Panel  
30A Double Pole Ganged Breaker

PV Main Panel  
DC Runs are spliced together here

*Verify adequate space for the splice*

**LINE DIAGRAM**

DATE	2/14/03	SCALE	NONE
REVISION	N LOWRIE	SHEET	1 OF 2
BEAZER HOMES PIAZZA DEL SOL LOT 82 PLAN 1540B			
ATLANTIS ENERGY SYSTEMS, INC. 1610 NORTHGATE BLVD SUITE 150 SACRAMENTO, CA 95834 PH: (916) 438-2935 FAX: (916) 438-2936			

**ISSUED**  
FEB 10 2003  
Sacramento Building Division

**ISSUED**  
FEB 11 2003  
Sacramento Building Division

**ISSUED**  
FEB 11 2003  
Sacramento Building Division

APPROVAL OF ALL ELECTRICAL WORK IS SUBJECT TO FIELD INSPECTIONS.

ELECTRICAL DIVISION

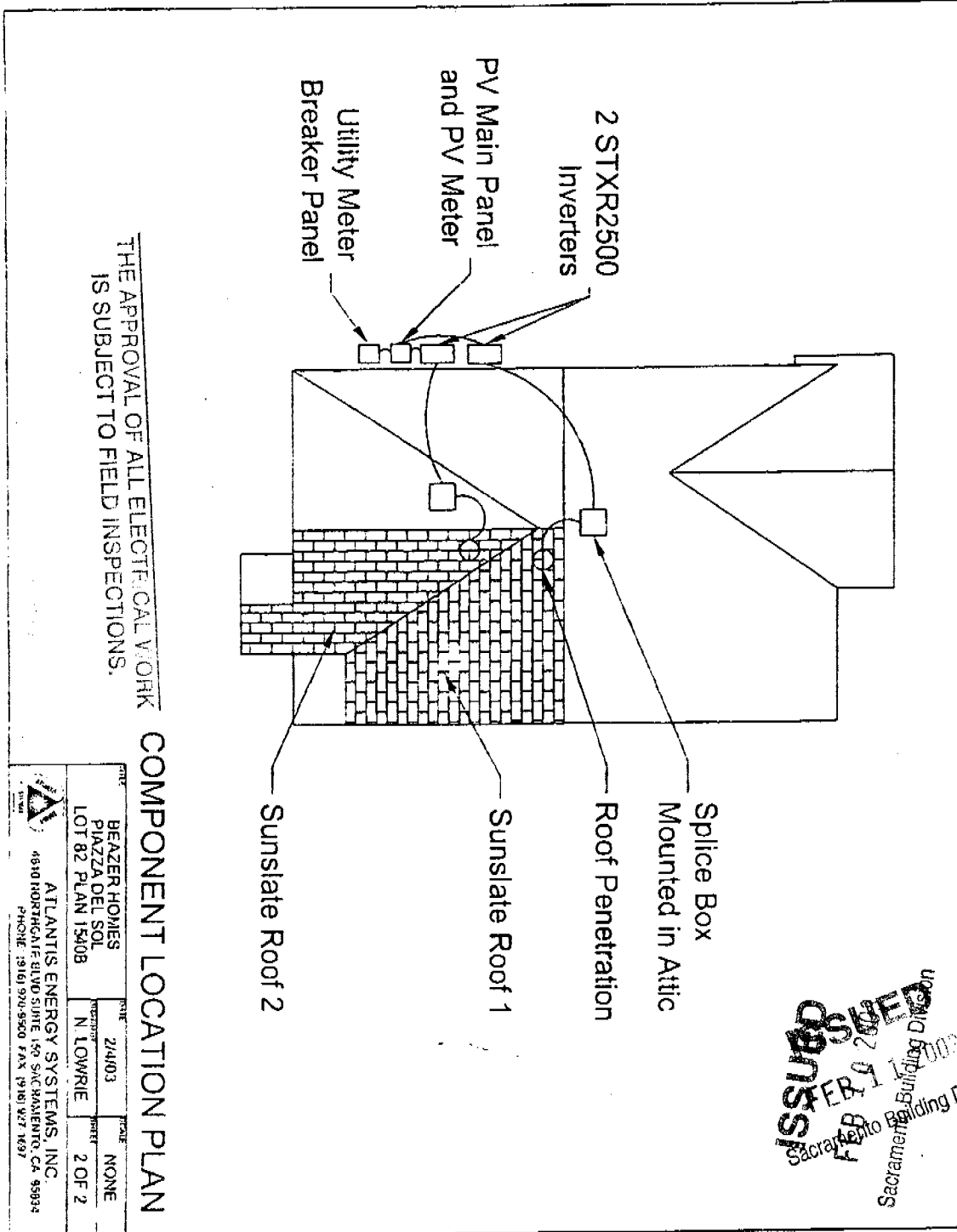
*01/25/04*

*3180 Gundalajara Wy*

*0113380R*

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



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

COMPONENT LOCATION PLAN

<p>ATLANTIS ENERGY SYSTEMS, INC. 4810 HORTHALL AVENUE SUITE 150 SACRAMENTO, CA 95834 PHONE: 916 928-9500 FAX: 916 927-1691</p>	<p>PROJECT: BEAZER HOMES PIAZZA DEL SOL LOT 82 PLAN 1540B</p>	<p>DATE: 2/4/03</p>	<p>PERMIT: NONE</p>
	<p>INSTALLER: N. LOWRIE</p>		<p>DATE: 2 OF 2</p>

ISSUED

FEB 11 2003

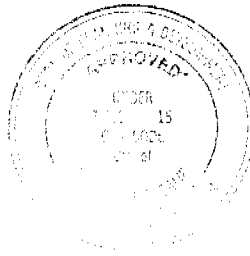
Sacramento Building Division

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FEB 11 2003  
Sacramento Building Division

CITY OF SACRAMENTO PERMIT ASSISTANCE

FEB 10 2003

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2 of 4

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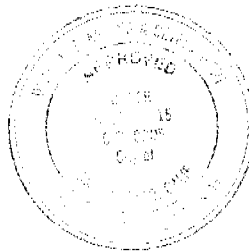


**Atlantis Energy Systems, Inc.**  
**System Components Sheet**  
**Beazer Homes: Lot 82, Plan 1540 B, Roof 1**

<b>Sunslates</b>			
Sunslate Type	Sharp A	Total Sunslates	216
Cells Per Sunslate	6	Bare Slates	75
Connections in Sunslate	6 in Series	Dummy Sunslates	0
<b>Strings (Fields)</b>			
Sunslates Per String	24	Vmp	70.27 Vdc
Number of Strings	9	Voc	93.74 Vdc
Connections to Inverter	Parallel	Pmp	319.03 Wdc
<b>System</b>			
Total System Power		Vmp	70.27 Vdc @ STC
		Voc	93.74 Vdc @ STC
		Pmp	2,871.31 Wdc @ STC
		Pmp	2,170.71 Wac @ PTC
<b>Cables</b>			
Field to Inverter Cables	9	Sunslate to Sunslate	198
Row to Row Cables	8	End Connectors	9
<b>Inverter</b>			
STXR2500			

**CITY COPY**

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



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

**ISSUED**

FEB 11 2003

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 PERMIT ASSISTANCE

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FEB 10 2003

Sacramento Building Division

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0113380



**Atlantis Energy Systems, Inc.  
System Components Sheet  
Beazer Homes: Lot 82, Plan 1540 B, Roof 2**

**Sunslates**

Sunslate Type	Shell 2	Total Sunslates	120
Cells Per Sunslate	6	Bare Slates	50
Connections in Sunslate	6 in Series	Dummy Sunslates	0

**Strings (Fields)**

Sunslates Per String	20	Vmp	58.20 Vdc
Number of Strings	6	Voc	72.60 Vdc
Connections to Inverter	Parallel	Pmp	243.97 Wdc

**System**

Total System Power	Vmp	70.27 Vdc @ STC
	Voc	93.74 Vdc @ STC
	Pmp	1,463.85 Wdc @ STC
	Pmp	1,106.70 Wac @ PTC

**Cables**

Field to Inverter Cables	6	Sunslate to Sunslate	104
Row to Row Cables	3	End Connectors	6

**Inverter**

STXR2500

**CITY COPY**

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The approval of these plans and specifications shall not be construed as a guarantee of the accuracy of the information contained therein.

**ISSUED**  
**ISSUED**

**ISSUED**

FEB 11 2003

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PERMIT ASSISTANCE

FEB 10 2003

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FEB 10 2003

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**N**orman

**S**cheel

**S**tructural

**E**ngineer

Sacramento  
5022 Sunrise Blvd.  
Fair Oaks, CA 95628  
(916) 536-9585  
(916) 536-0260 (fax)

**NORMAN SCHEEL**  
Structural Engineer  
Email: [norm@nsse.com](mailto:norm@nsse.com)

**ROBERT COON**  
Project Manager  
Email: [roco@nsse.com](mailto:roco@nsse.com)

**PAULO IRANEZ, P.E.**  
Project Manager  
Email: [paulo@nsse.com](mailto:paulo@nsse.com)

**TIM SLOAN, P.E.**  
Project Manager  
Email: [tms@nsse.com](mailto:tms@nsse.com)

**STEVE COOKSEY**  
CAD Supervisor  
Email: [stc@nsse.com](mailto:stc@nsse.com)

**TACY MARLIN**  
Office Manager  
Email: [tacy@nsse.com](mailto:tacy@nsse.com)

Davis  
13 E Street Suite B  
Davis, CA 95616  
(307) 753-5300  
(307) 753-5380 (fax)

**RACY HARRIS, P.E.**  
Project Manager  
Email: [racy@nsse-davis.com](mailto:racy@nsse-davis.com)

**ARRELL PEREIRA**  
Design Engineer  
Email: [arrell@nsse-davis.com](mailto:arrell@nsse-davis.com)

December 14, 2001

Beazer Homes  
3009 Douglas Blvd. #150  
Roseville, CA 95661

Re: Piazza Del Sol (Job #21167) Beam Substitution

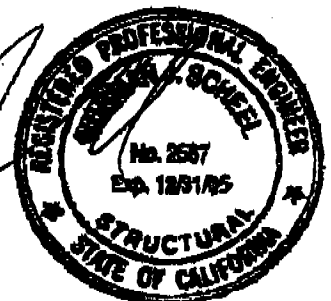
To Whom It May Concern:

This letter is to clarify that we have reviewed the substitution from 3 1/2" X 14" Parallam to DBL 13/4" LVL at elevation B. To meet the requirements of the 1997 Uniform Building code, a third 13/4" X 14" LVL should be added and nailed with (3) rows 1lb @ 6" O.C. to existing DBL LVL. See attached beam calculations.

If you have any questions please call Rob Coon.

*[Signature]*  
**NORMAN SCHEEL**  
STRUCTURAL ENGINEER

LOT-82 PLAN-1540-B.





Rev: 504001

**Timber Beam & Joist**

Page 1

**Description PLAN 1540 BEAM CALCULATIONS**

**Timber Member Information**

	BEAM 1	BEAM 2	BEAM 3	4' HDR	6' HDR	8' HDR
Timber Section	4x14	3 1/2 x 9	M.L. 3-1.7	4x6	4x8	4x10
Beam Width	in 3.500	3.500	5.250	3.500	3.500	3.500
Beam Depth	in 13.250	9.500	14.000	5.500	7.250	9.250
Le: Unbraced Length	ft 0.00	0.00	0.00	0.00	0.00	0.00
Timber Grade	Douglas Fir - Larch, Truss Joist - MacMill Truss Joist - MacMil			Douglas Fir - Larch, Douglas Fir - Larch,		Douglas Fir - Larch,
Fb - Basic Allow	psi 1,450.0	2,600.0	2,600.0	875.0	875.0	875.0
Fv - Basic Allow	psi 95.0	285.0	285.0	95.0	95.0	95.0
Elastic Modulus	ksi 1,900.0	1,800.0	1,900.0	1,600.0	1,600.0	1,600.0
Load Duration Factor	1.250	1.250	1.250	1.250	1.250	1.250
Member Type	Sawn			Sawn	Sawn	Sawn

**Center Span Data**

		16.00	10.00	15.00	4.00	6.00	8.00
Span	ft						
Dead Load	#/ft	210.00	378.00	740.00	378.00	378.00	378.00
Live Load	#/ft	160.00	288.00	564.00	288.00	288.00	288.00

<b>Results</b>	Ratio =	0.7654	0.5839	0.7696	0.6783	0.8249	0.9760
----------------	---------	--------	--------	--------	--------	--------	--------

Mmax @ Center	in-k	142.08	99.90	440.10	15.98	35.96	63.94
@ X =	ft	8.00	5.00	7.50	2.00	3.00	4.00
fb : Actual	psi	1,387.3	1,897.6	2,566.2	905.8	1,172.9	1,281.0
Fb : Allowable	psi	1,812.5	3,250.0	3,250.0	1,421.9	1,421.9	1,312.5
		Bending OK	Bending OK	Bending OK	Bending OK	Bending OK	Bending OK
Fv : Actual	psi	82.7	127.4	169.3	80.5	94.5	99.7
Fv : Allowable	psi	118.8	356.3	356.3	118.8	118.8	118.8
		Shear OK	Shear OK	Shear OK	Shear OK	Shear OK	Shear OK

**Reactions**

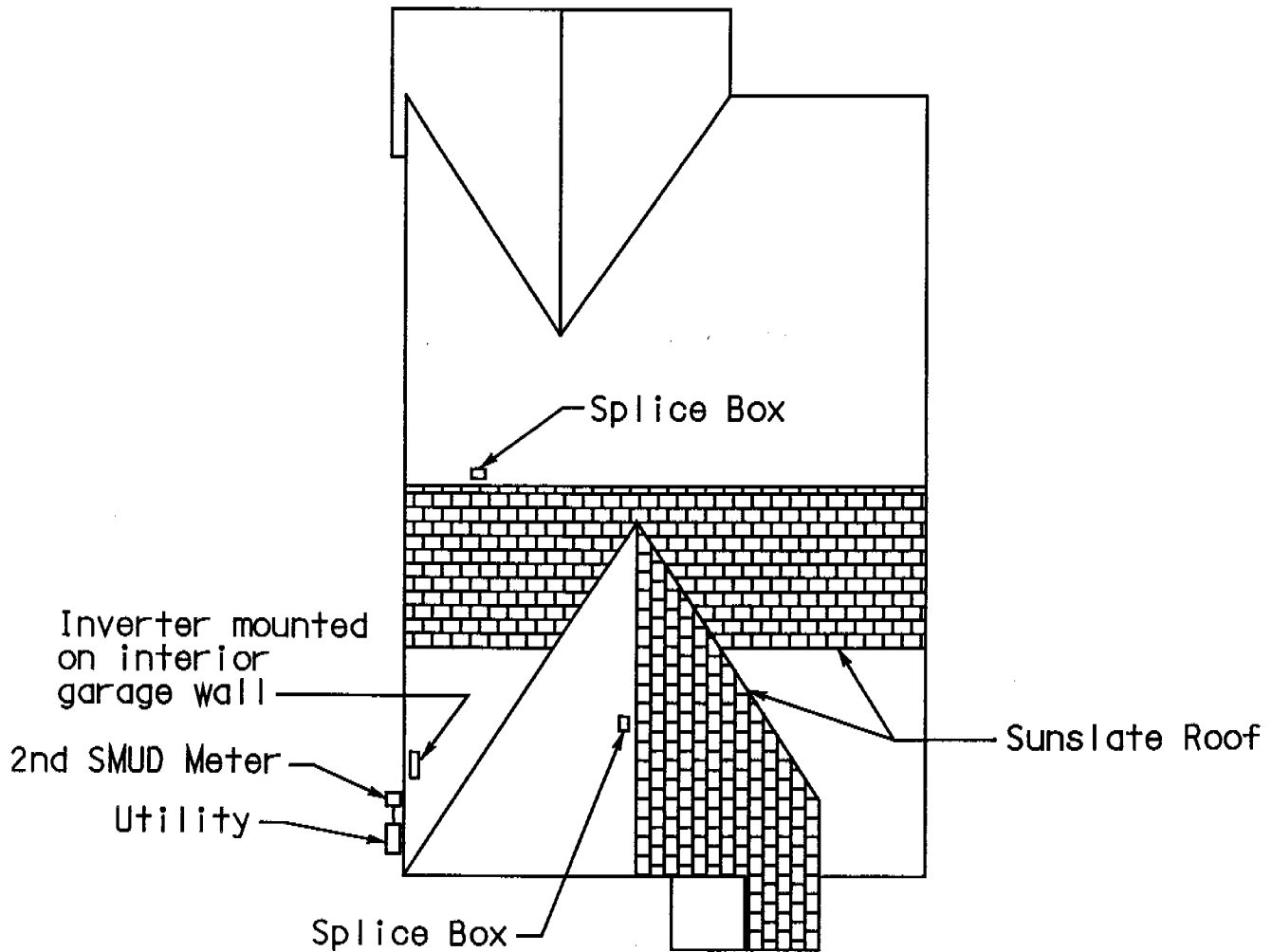
@ Left End	DL	lbs	1,680.00	1,890.00	5,550.00	756.00	1,134.00	1,512.00
	LL	lbs	1,280.00	1,440.00	4,230.00	576.00	864.00	1,152.00
	Max. DL+LL	lbs	2,960.00	3,330.00	9,780.00	1,332.00	1,998.00	2,664.00
@ Right End	DL	lbs	1,680.00	1,890.00	5,550.00	756.00	1,134.00	1,512.00
	LL	lbs	1,280.00	1,440.00	4,230.00	576.00	864.00	1,152.00
	Max. DL+LL	lbs	2,960.00	3,330.00	9,780.00	1,332.00	1,998.00	2,664.00

**Deflections**

Center DL Defl	in	-0.240	-0.189	-0.370	-0.026	-0.062	-0.094
L/Defl Ratio		799.3	635.1	487.1	1,711.7	1,161.7	1,017.8
Center LL Defl	in	-0.183	-0.144	-0.282	-0.021	-0.047	-0.072
L/Defl Ratio		1,049.1	833.6	639.1	2,246.6	1,524.7	1,335.9
Center Total Defl	in	-0.423	-0.333	-0.651	-0.049	-0.109	-0.166
Location	ft	8.000	5.000	7.500	2.000	3.000	4.000
L/Defl Ratio		453.7	360.5	276.4	971.5	659.3	577.7

12-20-01 T.L.M.

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

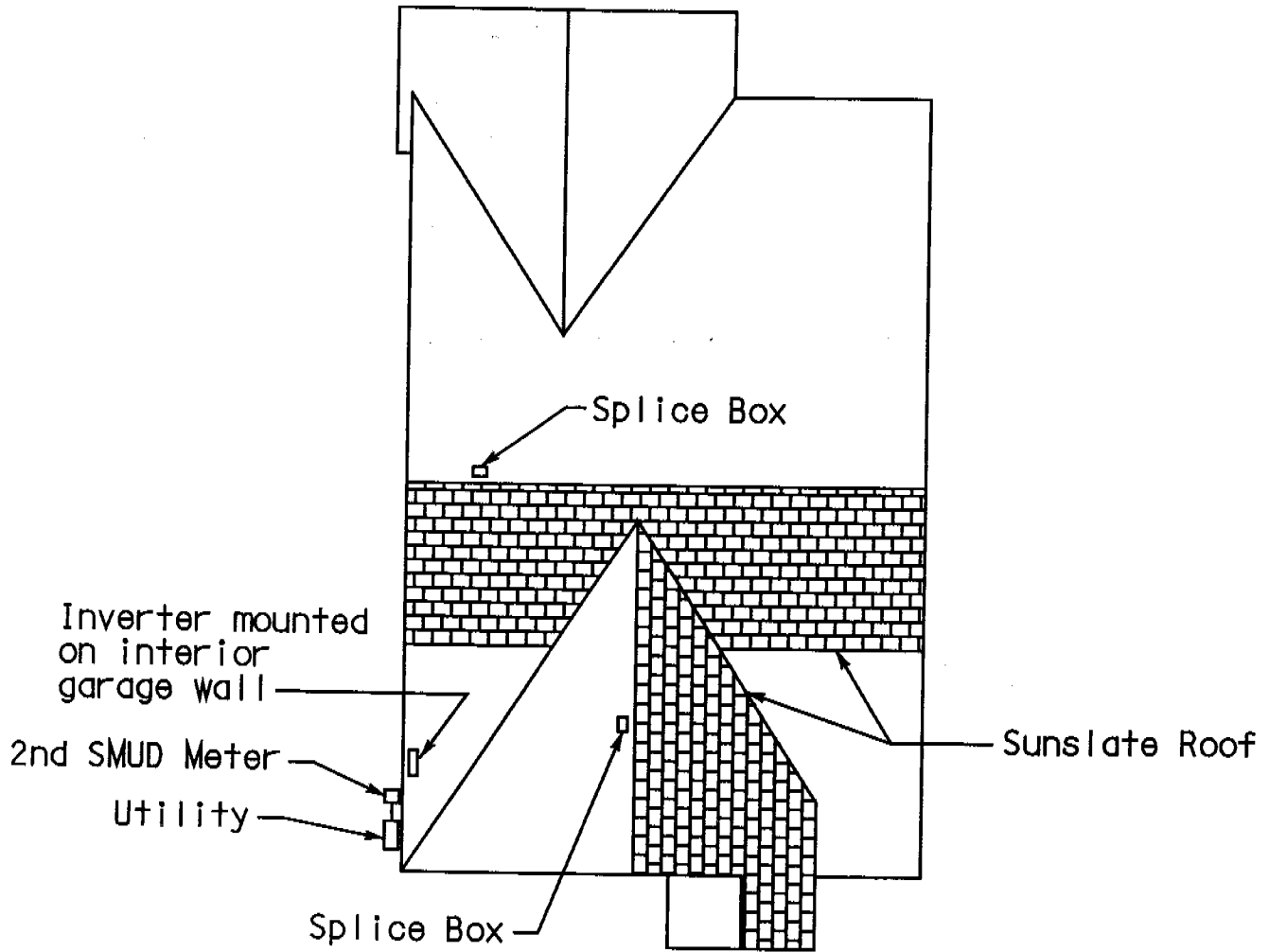


BEAZER HOMES  
PIAZZA DEL SOL  
LOT 82  
PLAN 1540 'B' ELEV

0113380 3186 Gradaladang

12-20-01 J.L.M.

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BEAZER HOMES  
PIAZZA DEL SOL  
LOT 82  
PLAN 1540 'B' ELEV

0113380 3186 Gradalaja Jarq