

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0115244

Insp Area: 2

Site Address: 7950 POCKET RD SAC

Thos Bros:

Sub-Type: COM

Parcel No: 031-1030-045

Housing (Y/N): N

CONTRACTOR

TIM JONES ROOFING
5500 CAVITT STALLMAN ROAD
GRANITE BAY CA. 95746

OWNER

H AND W ENTERPRISES A CALIF GEN PARTNER
555 CALIFORNIA ST #285
SAN FRANCISCO CA 94104

ARCHITECT

Nature of Work: REROOF T/O 19SQ INSTALL BUR

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 C License Number 522558 Date 11/30/01 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 11/30/01 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 AMS

Policy Number WC249189627

Exp Date 09/01/2002

(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 11/30/01 Applicant Signature [Signature]

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.

Weber

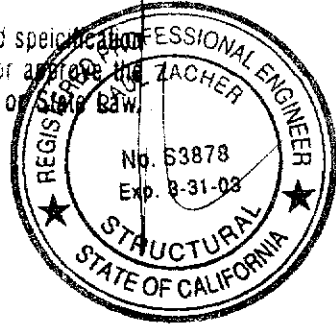
Paul Zacher - Structural Engineers
4701 Lakeside Way
Fair Oaks, CA 95628

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.

TEL: 916.961.3960
FAX: 916.961.6552

March 14, 2002

Zimmerman Roofing
3675 R Street
Sacramento, CA 95816
TEL: (916) 454-3667
FAX: (916) 691-1943



*SEE SHEET - 10 - FOR REMARKS
- CALL & OBTAIN INSPECTION
PHOTO'S FOR COVERING*

3/21/02

Attn.: Mr. Jeff Tucker,

re: Job 2002073: WEBER

Subject: Structural Investigation Report of the Roof for the Residence located at 467 Pimentel Way, Sacramento, CA 95831.

As requested by Mr. Jeff Tucker, this is a report to determine what needs should be addressed to correct any structural deficiencies of the roof. Paul Zacher visited the site March 14, 2002. The investigation was made to determine the existing condition of the structure. All information, data and analysis contained within this report are based on the 1997 Uniform Building Code.

The following is based on visual observations with no subsurface investigation being made.

DESCRIPTION:

Type of Facility: Residence.
Year Built: Estimated 1980's vintage.
Occupancy: Residential.
No. of Stories: Two.
Dimensions: Approximately 2500 square feet.

CONSTRUCTION:

Roof:

The roof covering will consist of a Light Weight Concrete Tile over 1/2" solid sheathing. The roof structure is conventionally framed with 2x6 rafters spaced at 24" on center with 2x6 purlins supported at no more than 8'-0" on center by 2x4 struts bearing on walls below except for the vaulted ceiling areas. The vaulted ceiling is constructed of 4x8 rafters spaced at 36" on center supported at the ridge by a 6x beam. The garage area is framed with 2x6 rafters spaced at 24" on center and 2x6 cross ties spaced at 4'-0" on center.

CONCLUSIONS:

Roof:

The roof structure currently lacks sufficient structural capacity for the applied live and dead loads. See "Recommendations" for location and repair to bring the roof structure up to the required capacity.

PERMISSION TO REPRODUCE THIS REPORT IS GRANTED BY THE AUTHOR FOR THE PURPOSE OF RESEARCH AND EDUCATION ONLY. IT IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN PERMISSION OF THE AUTHOR.

Weber



Paul Zacher - Structural Engineers
4701 Lakeside Way
Fair Oaks, CA 95628

TEL: 916.961.3960
FAX: 916.961.6552

RECOMMENDATIONS:

If any of the following recommendations do not correspond to actual field conditions, the engineer of record shall be notified for further investigation and evaluation before continuing work.

Roof Structure:

1. Provide additional 2x4 struts from the existing purlins to the bearing walls below. The maximum spacing between the new and existing struts shall not exceed 4'-0" on center. The unbraced length of the struts shall not exceed 8'-0" and the minimum slope of the struts shall not be less than 45 degrees from the horizontal. See detail 1.
2. Scab a 2x6 rafter to the existing 2x6 rafters with 16d's @ 12" on center where the span is greater than 12'-0". See detail 1.

It shall be noted that small hairline cracking may occur at exterior stucco and interior gypboard finished walls that are load bearing or distributing roof strut loads. These cracks are a natural occurrence as the existing structure re-distributes the new roof weight. They are cosmetic in nature and are not an indication of a structural hazard or failure.

It shall be noted that some deflection of the rafters may be evident after installation of the tile. The existing roof framing has deflected but this may not be readily evident due to the uneven nature of the existing roofing material. Concrete tile is a very consistent and uniform product and when installed in an even plane, even small deflections can become apparent. This is only a cosmetic issue and not a structural concern.

The inspection consisted of visual observation only, made solely to determine the structural capacity of the existing roof. Analysis does not determine any effects on the overall structure under lateral forces or effects on the foundation unless specifically noted in the calculations and in this document. No warranties, expressed or implied, are made or intended in conjunction with this report. The inspection was made only to the portions that were accessible. The specific items noted were those that were observable and there may be defects that are not observable, or are hidden by architectural and structural materials.

If you have any questions on the above, do not hesitate to call.

Sincerely,

Paul Zacher, P.E., S.E.
file

DESIGN LOADING:

Roof Pitch 6 in 12
Pitch Adjustment Factor 1.12

LOCATION: ROOF

<u>MATERIAL</u>	<u>WEIGHT</u>	
Light Weight Tile	7.30	psf
Roofing felt	0.30	psf
1x4 skip sht'g	1.09	psf
1/2" OSB/ plywood	1.50	psf
2x6 rafters @ 24" oc	<u>1.00</u>	psf
Load	11.2	psf
Roof Pitch Adjustment	<u>1.32</u>	psf
Total Load	12.5	psf

LOCATION: VAULT

<u>MATERIAL</u>	<u>WEIGHT</u>	
Light Weight Tile	7.30	psf
Roofing felt	0.30	psf
2x6 decking	4.38	psf
4x8 rafters @ 32" oc	3.83	psf
Batt/blown insul	0.50	psf
1/2" Gypboard	<u>2.50</u>	psf
Load	18.8	psf
Roof Pitch Adjustment	<u>2.22</u>	psf
Total Load	21.0	psf

Job #: 02-077

Date: 3/14/02

LOADING

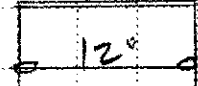
ROOF R2

$D_p = 12.5 \text{ psf} \times 2^{\circ} = 25 \text{ psf}$

$L_r = 16.0 \text{ '}$

2x6^{#2}

25/62



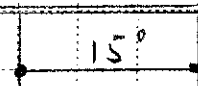
ROOF R2

$D_p = 12.5 \text{ psf} \times 2^{\circ} = 25 \text{ psf}$

$L_r = 16.0 \text{ '}$

2x6^{#2}

25/62



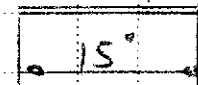
B1

$D_p = 12.5 \text{ psf} \times 7^{\circ} = 88 \text{ psf}$

$L_r = 16.0 \text{ '}$

4x12^{#2}

88/112



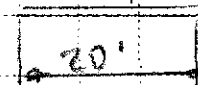
R2

$D_p = 21.0 \text{ psf} \times 7^{\circ} = 147 \text{ psf}$

$L_r = 16.0 \text{ '}$

6x12^{#1}

147/112



DECKING

$D_p = 21 \text{ psf} \times 1^{\circ} = 21 \text{ psf}$

$L_r = 16.0 \text{ '}$

2x6 DECKING

21/16



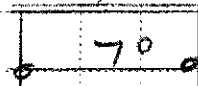
VOUNT

$D_p = 21 \text{ psf} \times 3^{\circ} = 63 \text{ psf}$

$L_r = 16 \text{ '}$

4x8^{#1}

63/48



Paul Zacher - Structural Engineers
 4701 Lakeside Way
 Fair Oaks
 TEL: (916) 961-3960
 FAX: (916) 961-6552

Title :
 Dsgnr:
 Description :

Job #
 Date: 2:38PM, 14 MAR 02

Scope :

Rev: 510304
 User: KW-0602844, Ver 5.1.3, 22-Jun-1999, Win32
 (c) 1983-99 ENERCALC

Timber Beam & Joist

c:\enercalc\test.ecw\Calculations

Description RAFTERS AND BEAMS

Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

Timber Section		rafter 2x6	rafter 2x6	B1 4x12	B2 6x12	decking 2x decking	vault 4x8
Beam Width	in	1.500	1.500	3.500	5.500	12.000	3.500
Beam Depth	in	5.500	5.500	11.250	11.500	1.500	7.250
Le: Unbraced Length	ft	0.00	0.00	0.00	0.00	0.00	0.00
Timber Grade		Douglas Fir - Larch	Douglas Fir - Larch	Douglas Fir - Larch	Douglas Fir - Larch	Douglas Fir - Larch	Douglas Fir - Larch
Fb - Basic Allow	psi	875.0	875.0	875.0	1,350.0	875.0	1,000.0
Fv - Basic Allow	psi	95.0	95.0	95.0	85.0	95.0	95.0
Elastic Modulus	ksi	1,600.0	1,600.0	1,600.0	1,600.0	1,600.0	1,700.0
Load Duration Factor		1.250	1.250	1.250	1.250	1.250	1.250
Member Type		Sawn	Sawn	Sawn	Sawn	Manuf/Pine	Sawn
Repetitive Status		Repetitive	Repetitive	No	No	No	No

Center Span Data

	ft	12.00	15.00	15.00	20.00	3.00	7.00
Span	ft						
Dead Load	#/ft	25.00	12.50	88.00	147.00	21.00	63.00
Live Load	#/ft	32.00	16.00	112.00	112.00	16.00	48.00

Results

Ratio = 0.9956 0.7778 0.7599 0.7596 0.1015 0.1774

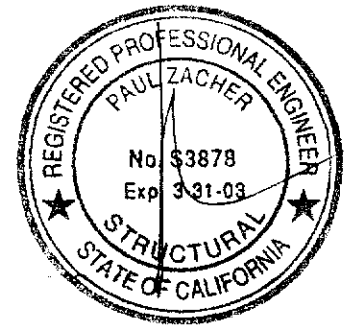
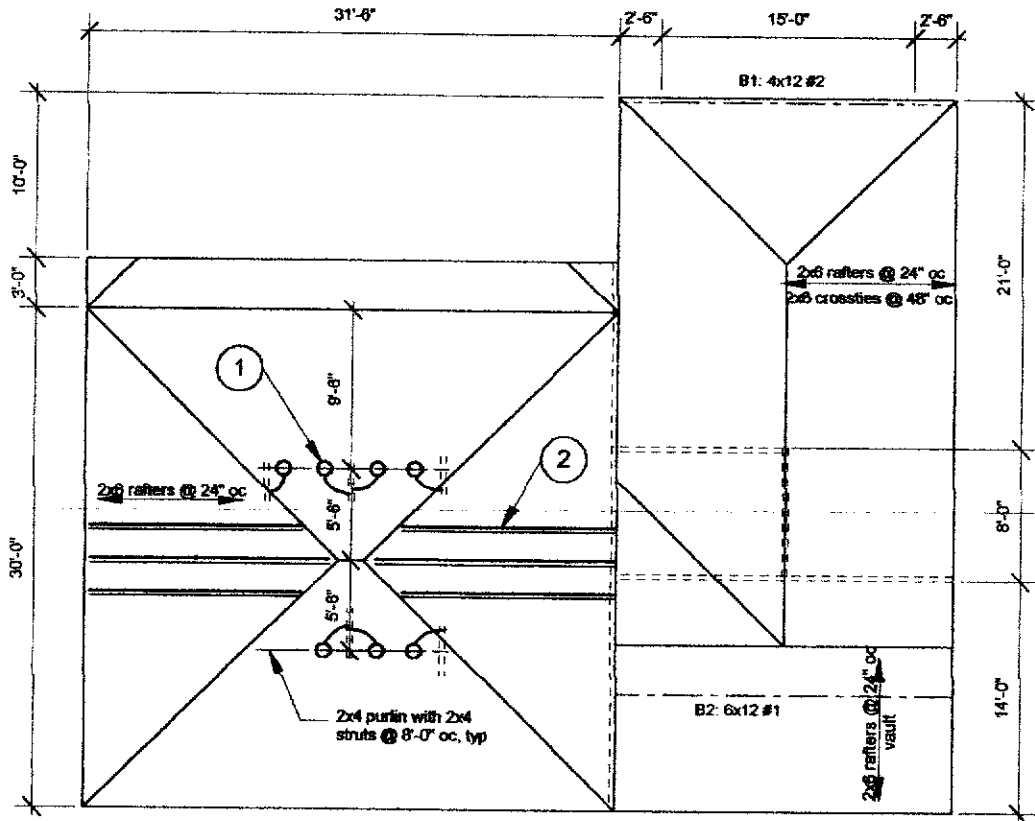
Mmax @ Center	in-k	12.31	9.62	67.50	155.40	0.50	8.16
@ X =	ft	6.00	7.50	7.50	10.00	1.50	3.50
Fb: Actual	psi	1,628.0	1,271.9	914.3	1,281.9	111.0	266.1
Fb: Allowable	psi	1,635.2	1,635.2	1,203.1	1,687.5	1,093.8	1,500.0
		Bending OK	Bending OK	Bending OK	Bending OK	Bending OK	Bending OK
Fv: Actual	psi	57.7	36.7	50.3	56.0	4.3	19.1
Fv: Allowable	psi	118.8	118.8	118.8	106.3	118.8	118.8
		Shear OK	Shear OK	Shear OK	Shear OK	Shear OK	Shear OK

Reactions

@ Left End	DL	lbs	150.00	93.75	660.00	1,470.00	31.50	220.50
	LL	lbs	192.00	120.00	840.00	1,120.00	24.00	168.00
	Max. DL+LL	lbs	342.00	213.75	1,500.00	2,590.00	55.50	388.50
@ Right End	DL	lbs	150.00	93.75	660.00	1,470.00	31.50	220.50
	LL	lbs	192.00	120.00	840.00	1,120.00	24.00	168.00
	Max. DL+LL	lbs	342.00	213.75	1,500.00	2,590.00	55.50	388.50

Deflections

		Ratio OK	Deflection OK	Deflection OK	Deflection OK	Deflection OK	Deflection OK
Center DL Defl	in	-0.351	-0.428	-0.151	-0.474	-0.007	-0.018
L/Defl Ratio		410.8	420.7	1,193.2	505.8	5,079.5	4,663.6
Center LL Defl	in	-0.449	-0.548	-0.192	-0.362	-0.005	-0.014
L/Defl Ratio		320.9	328.7	937.5	663.9	6,666.8	6,121.0
Center Total Defl	in	-0.799	-0.976	-0.343	-0.836	-0.012	-0.032
Location	ft	6.000	7.500	7.500	10.000	1.500	3.500
L/Defl Ratio		180.2	184.5	525.0	287.1	2,863.0	2,646.9



FRAMING NOTES:

1. Add 2x4 struts to bearing below (total 7).
2. Scab a 2x6 to existing 2x6 rafters where the span is greater than 12'-0" (total 6).

Notes:

- A. This is a reroof project. The new roofing material shall be a Light Weight Concrete Tile. The tile shall weigh less than or equal to 7.3 psf.
- B. All rafters are 2x6 DF#2 and hips and valleys are 2x8 DF#2 unless otherwise noted.
- C. All existing rafter, hips, valleys, rafter ties, and purlins are braced per UBC Section 2320.1 "Roof and Ceiling Framing" unless otherwise shown.
- D. All structural wood members that were observed appear to be in sound condition and without structural defect.

1
ROOF PLAN - WEBER
Not to Scale

APPLICATION FOR COMMERCIAL BUILDING PERMIT

CITY OF SACRAMENTO
DEVELOPMENT SERVICES DIVISION
PERMIT SERVICES SECTION

1231 I Street, Rm. 200
 Sacramento, CA 95814 (916) 264-7619 FAX 264-7046

ACTIVITY #	Insp. Area
------------	------------

Applicant **MUST** complete ALL Unshaded areas

ADDRESS 7950 Pocket Rd. State _____
 PERMIT # _____

CONTACT

Name Nicole Valenzuela
 Street Address 5500 Cavitt-Stallman Rd
 City/State/Zip Granite Bay, Ca 95746
 Phone 791-0408 FAX 791-0444
 E-mail: _____

LICENSED CONTRACTOR Lic No. # 1511-558

Name Tim Jones Roofing
 Address 5500 Cavitt-Stallman Rd
 City/State/Zip Granite Bay Ca 95746
 Phone 791-0408 FAX 791-0444
 E-mail: _____

ARCHITECT/ENGINEER

Name _____
 Address _____
 City/State/Zip _____
 Phone _____ FAX _____
 E-mail: _____

OWNER

Name Shore Park of Miller Lake
 Address 4121 Westerly Pl #105
 City/State/Zip Newport beach, Ca. 92660
 Phone _____ FAX _____
 E-mail: _____

Will permittee have any employees on the jobsite? No Yes → INSURANCE CO: Acord

WORKER'S COMPENSATION POLICY # W249189127 EXPIRATION DATE: 9/1/02

NATURE OF WORK IN DETAIL: Tear-off, Re-roof Built up 19sgs.

OCCUPANT/TENANT: _____ VALUATION: \$ 3890.00

LOAD STATUS:		S.C.A.T.									
DB-DESCRIPTION	BLDG.	SHELL	APT	TI	REM	SW	FIRE	ADD	OTH		
INSPECTION DISCIPLINES		BLDG	MECH	PLUMB	ELEC		SIFE	FIRE			
Stories	Int. Ft. Area	Total Area	Use Zone	Occp Group	Const type	Fire Req. Y/N		Fest Code	Via. File		
B	L	P	M	E	F	S		D	PW	BTIL	

REMARKS: _____

REGIONAL SANITATION FEES? Yes No HEALTH DEPARTMENT? Yes No

WATER FLOW TEST FOR NEW BUILDINGS OR ADDITIONS? Provided Faxed