

**CITY OF SACRAMENTO**

1231 I Street, Sacramento, CA 95814

Permit No: 0403494

Insp Area: 1  
Thos Bros: 297H4

Site Address: 257 36TH WY SAC  
Parcel No: 004-0113-028

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

**CONTRACTOR**  
MONARCH ROOFING INC  
8262 ALPINE AVE SUITE A  
SACRAMENTO, CA 95826

**OWNER**  
OLVERA LEWIS M & DOREEN  
257 36TH WY  
SACRAMENTO CA 95819

**ARCHITECT**

**Nature of Work:** T/O SHAKE ROOF, INSTALL METAL BATTEN & THERMOSHEETING,  
REROOF W/ 26 SQ EAGLE LITE TILE

**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-37 License Number 806787 Date MAR 10, 04 Contractor Signature Paul J. Ventura

**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: **PAID**

Date \_\_\_\_\_ Owner Signature \_\_\_\_\_ **CITY OF SACRAMENTO**

**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 MAR 10, 2004 Applicant/Agent Signature Paul J. Ventura

**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 VIRGINIA SURETY COMPANY, INC Policy Number 005-00016796 Exp Date 01/01/2005

\_\_\_\_\_, (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 MAR 10, 2004 Applicant Signature Paul J. Ventura

**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.**

Olvera

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

TEL: 916.961.3960  
FAX: 916.961.6552

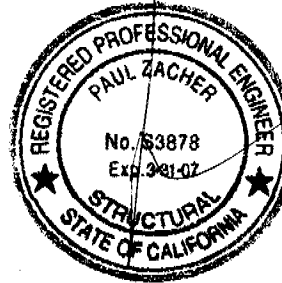
March 5, 2004

Monarch Roofing  
8262 Alpine Avenue, Suite A  
Sacramento, CA 95826  
TEL: (916) 978-3182  
FAX: (916) 452-5140

Attn.: Mr. Neal Weber,

re: Job 2004111: OLVERA

Subject: Structural Investigation Report of the Roof for the Residence located at 257 36th Way,  
Sacramento, CA 95819.



As requested by Mr. Neal Weber, 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 4, 2004. 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 with 2001 CBC Title 24 Amendments.

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

**DESCRIPTION:**

Type of Facility: Residence.  
Year Built: Estimated 1940's vintage.  
Occupancy: Residential.  
No. of Stories: One.  
Dimensions: Approximately 1500 square feet.



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.

**CONSTRUCTION:**

Roof:  
The roof covering will consist of a Light Weight Concrete Tile over a batten system. The roof structure is conventionally framed with 2x6 rafters spaced at 24" on center. 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 has sufficient structural capacity for the applied live and dead loads.

PC# 040 3494

CITY COPY

1/7

MICROFILM AT FINAL

04003-0403494

Olvera



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Fair Oaks, CA 95628

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FAX: 916.961.6552

RECOMMENDATIONS:

None.

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



Job #: 04\_111

Date: 03/05/2004

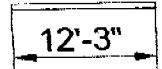
LOADING:

Rafter:

Dr = 10.7 psf x 2'-0" = 21.4 plf  
Lr = 16.0 psf x 2'-0" = 32.0 plf

2x6 #2

21.4 / 32.0

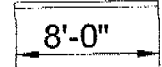


B1:

Dr = 10.7 psf x 7'-0" = 75 plf  
Lr = 16.0 psf x 7'-0" = 112 plf

6x8 #1

75 / 112



Paul Zacher - Structural Engr's  
 4701 Lakeside Way  
 Fair Oaks, CA 95628  
 TEL: (916) 961-3960  
 FAX: (916) 961-6552

Title :  
 Dsgnr:  
 Description :

Job #  
 Date: 5:52PM, 5 MAR 04

Scope :

Rev: 560100  
 User: KW-0602844, Ver 5.6.1, 25-Oct-2002  
 (c)1983-2002 ENERCALC Engineering Software

### Timber Beam & Joist

c:\documents and settings\paul zacher\desktop

Description RAFTERS AND BEAMS

#### Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		rafter	B1
Timber Section		2x6	6x8
Beam Width	in	1.500	5.500
Beam Depth	in	5.500	7.500
L: Unbraced Length	ft	0.00	0.00
Timber Grade		Douglas Fir - Larch	Douglas Fir - Larch
Fb - Basic Allow	psi	875.0	1,350.0
Fv - Basic Allow	psi	95.0	85.0
Elastic Modulus	ksi	1,600.0	1,600.0
Load Duration Factor		1.250	1.250
Member Type		Sawn	Sawn
Repetitive Status		Repetitive	No

#### Center Span Data

Span	ft	12.25	8.00
Dead Load	#/ft	21.40	75.00
Live Load	#/ft	32.00	112.00

#### Results

Ratio = 0.9720 0.2171

Mmax @ Center	in-k	12.02	17.95
@ X =	ft	6.12	4.00
f <sub>b</sub> : Actual	psi	1,589.4	348.2
F <sub>b</sub> : Allowable	psi	1,635.2	1,687.5
		Bending OK	Bending OK
f <sub>v</sub> : Actual	psi	55.2	23.1
F <sub>v</sub> : Allowable	psi	118.8	106.3
		Shear OK	Shear OK

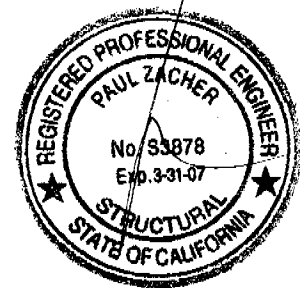
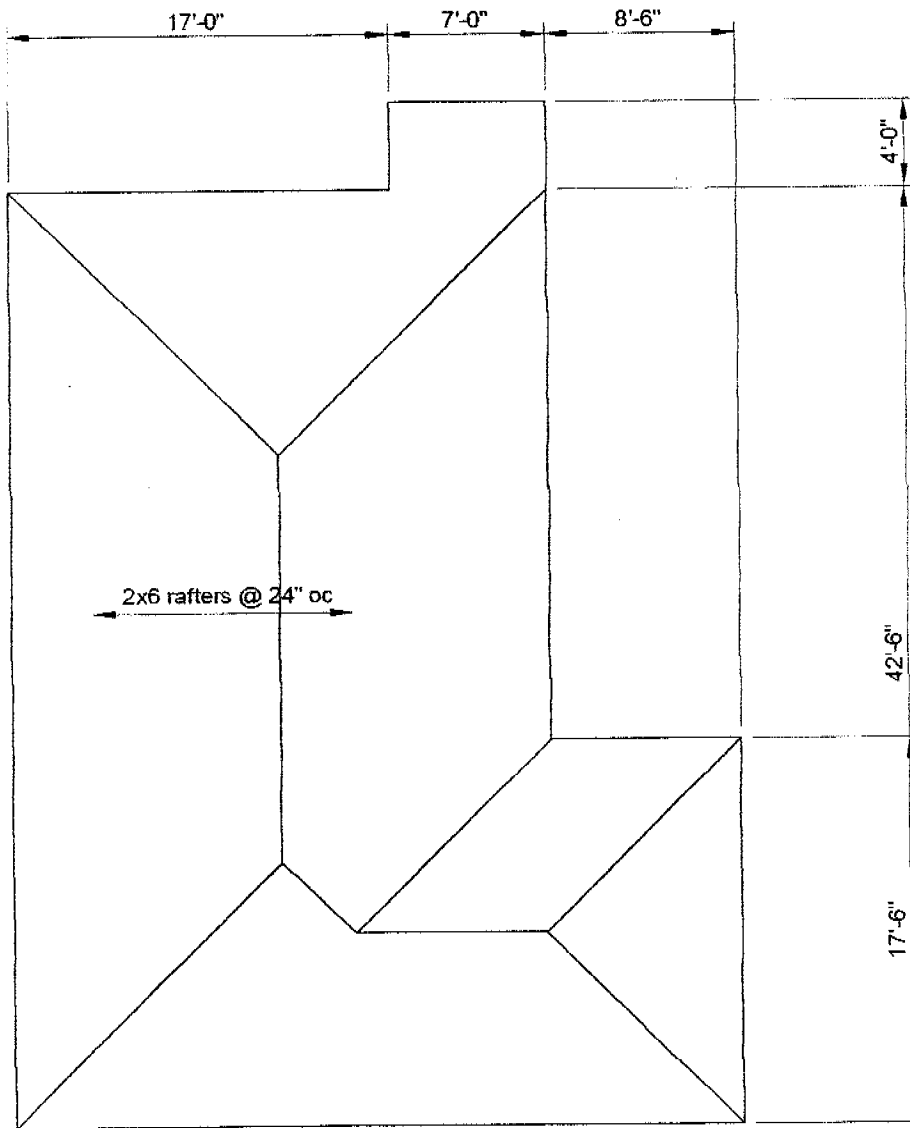
#### Reactions

@ Left End	DL	lbs	131.07	300.00
	LL	lbs	196.00	448.00
	Max. DL+LL	lbs	327.07	748.00
@ Right End	DL	lbs	131.07	300.00
	LL	lbs	196.00	448.00
	Max. DL+LL	lbs	327.07	748.00

#### Deflections

Ratio OK Deflection OK

Center DL Defl	in	-0.326	-0.022
L/Defl Ratio		451.1	4,297.0
Center LL Defl	in	-0.487	-0.033
L/Defl Ratio		301.7	2,877.4
Center Total Defl	in	-0.813	-0.056
Location	ft	6.125	4.000
L/Defl Ratio		180.8	1,723.4

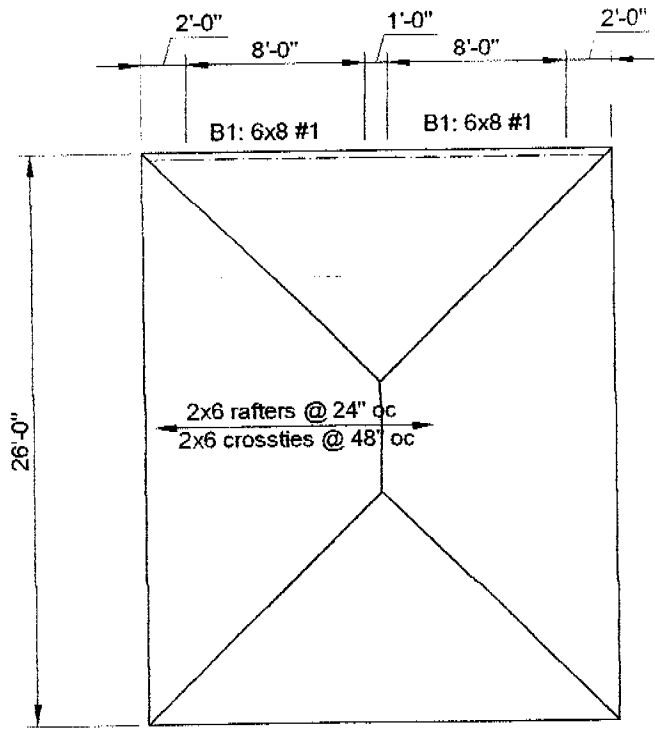


**NOTES:**

- 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 - OLVERA  
Not to Scale

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.

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GARAGE ROOF PLAN - OLVERA

Not to Scale 7