

THIS IS A 5 PART FORM
WRITE ON A FIRM SURFACE

USE BLACK INK BALL POINT PEN — PRESS FIRMLY

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, C.V.C.).

Lenders Name _____
Lenders 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 C39 Lic. Number 557557
Date 1-4-97 Contractor Billy Coy
(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 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 _____
Date _____ Owner _____
(Signature)

In issuing this building permit, the applicant represents, and the City relies on the 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 of this city to enter upon the abovementioned property for inspection purposes.

1-4-97 Date Billy Coy Signature of Applicant or Agent

BUILDING SITE ADDRESS <u>6965 Waterview Way</u>		SUITE		INSP. AREA	
ASSESSOR PARCEL NO.		COMMUNITY PLAN NO.		PLAN CHECK NO.	
LICENSED CONTRACTOR <u>Zimmerman Roofing</u>		ZIP CODE <u>95824</u>		PHONE NO. <u>454-3667</u>	
PROPERTY OWNER <u>Helen Chen</u>		<u>6965 Waterview</u>		<u>429-8018</u>	
ARCH. ENGR.		LICENSE NO.			
NO. OF STORIES	NO. OF ROOMS	ROOF COVERING	AREA 1ST FLOOR	TOTAL AREA	USE ZONE
		<u>30</u>			
THIS PERMIT IS FOR: <input checked="" type="checkbox"/> BUILDING <input type="checkbox"/> MECHANICAL <input type="checkbox"/> PLUMBING <input type="checkbox"/> ELECTRICAL <input type="checkbox"/> SITE <input type="checkbox"/> FIRE		GARAGE AREA		STREET WIDTH	
NATURE OF WORK IN DETAIL <u>Remove old Roof & Re-roof w/ Pioneer tall</u>					
FLOOD STATUS <u>4/2 pitel single family residence</u>		SPECIAL CONDITIONS ATTACHMENTS		OCCUP. GROUP <u>R-3</u>	
CITY OF SACRAMENTO BUILDING INSPECTION DIVISION		PERMIT SERVICES 264-7619		FIRE SP.	
WORKER'S COMPENSATION DECLARATION		VALUATION \$ <u>12,500.</u>		FED CODE	
I hereby affirm under penalty of perjury one of the following declarations:					
<input type="checkbox"/> 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.					
<input checked="" type="checkbox"/> 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: <u>State Fund</u> Policy Number <u>713 98 002021</u>					
ISSUED BY: <u>1-4-97</u>		BUILDING PERMIT FEE \$ <u>175</u>		PLAN CHECK/PROC. FEE \$	
S.M.I. FEE \$ <u>125</u>		CONST. EXCISE TAX \$		CITY BUS. LICENSE \$ <u>5.00</u>	
WATER DEV. FEE \$		TECH. FEE \$ <u>7.00</u>		CITY SEWER DEV. FEE \$	
REG. SEWER FEE \$		RESIDENTIAL CONST. TAX \$		NEIGHBORHOODS PLANN & DEVELOPMENT SERV.	
DATE ISSUED		TOTAL FEES \$		TOTAL FEES \$	

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



DEPARTMENT OF
PLANNING AND DEVELOPMENT

CITY OF SACRAMENTO
CALIFORNIA

1231 I STREET
ROOM 200
SACRAMENTO, CA
95814-2928

Permit Services
916-264-7619
FAX 916-264-7096

Helen Chen

6965 Waterview
TILE ROOF WORKSHEET

This worksheet must be filled out whenever any type of tile roof is applied for.

If the answer to question #5 is yes, a written engineering report from a registered engineer must be provided with each application.

1. BRAND AND MODEL OF TILE Pioneer Shale
2. TILE WEIGHT PER SQUARE 710
3. WEIGHT OF ROOF SYSTEM PER SQUARE 150
4. TOTAL WEIGHT OF ROOF SYSTEM 860
5. DOES TOTAL WEIGHT OF ROOF SYSTEM EXCEED 750# PER SQUARE? YES NO
6. ROOF SLOPE 4/12

PLEASE PROVIDE A SEPARATE WORKSHEET FOR EACH APPLICATION INVOLVING A TILE ROOF.

All attached engin. report

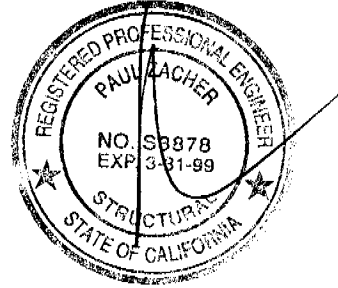
Chen

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

TEL: 916.961.3960
FAX: 916.961.3960

December 16, 1998

Zimmerman Roofing
3560 Ramona Avenue
Sacramento, CA 95826
TEL: 916.454.3667
FAX: 916.455.3784
TEL (Jeff): 916.392.1971
FAX (Jeff): 916.392.6853
FAX (Framer) : 916.383.5308



Attn.: Mr. Jeff Tucker,

re: Job 98331: CHEN

Subject: Structural Investigation Report of the Roof for the Residence located at 6965 Waterview 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 December 16, 1998. The investigation was made to determine the existing condition of the structure. All information, data and analysis contained within this report is based on the 1994 Uniform Building Code.

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

DESCRIPTION:

Type of Facility: Residence.
Year Built: Estimated 1970's vintage.
Occupancy: Residential.
No. of Stories: One.
Dimensions: Approximately 2000 square feet with a first story plate height of 8 feet.

CONSTRUCTION:

Roof:

The roof covering will consist of Pioneer Light Weight Concrete Tile over 1/2" solid sheathing. The living area is conventionally framed with 2x6 rafters spaced at 24" on center with 2x6 purlins supported at no more than 6'-0" on center by 2x4 struts bearing on walls below. The garage area is framed with 2x6 rafters spaced at 24" on center and 2x6 cross ties spaced at 4'-0" on center.

Chen



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

TEL: 916.961.3960
FAX: 916.961.3960

CONCLUSIONS:

Roof:

The living and garage areas have sufficient structural capacity for the applied live and dead loads.

RECOMMENDATIONS:

None.

It shall be noted that small hairline cracking may occur at exterior stucco and interior gypboard finished walls which 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 which 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	4	in 12
Pitch Adjustment Factor	1.05	

LOCATION: ROOF

MATERIAL

WEIGHT

Pioneer Light Weight	7.00	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	10.9 psf
	Roof Pitch Adjustment	<u>0.59</u> psf
	Total Load	11.5 psf

Title :
 Dsgnr:
 Description :

Job #
 Date:

Scope :

Rev: 510001

Timber Beam & Joist

Page 1

Description RAFTERS AND BEAMS

Timber Member Information

		2x8	4x10
Timber Section		2x8	4x10
Beam Width	in	1.500	3.500
Beam Depth	in	5.500	9.250
Le: Unbraced Length	ft	2.00	2.00
Timber Grade		Douglas Fir - Larch	Douglas Fir - Larch
Fb - Basic Allow	psi	875.0	875.0
Fv - Basic Allow	psi	95.0	95.0
Elastic Modulus	ksi	1,700.0	1,600.0
Load Duration Factor		1.250	1.250
Member Type		Sawn	Sawn
Repetitive Status		Repetitive	No

Center Span Data

		2x8	4x10
Span	ft	12.25	10.00
Dead Load	#/ft	23.00	69.00
Live Load	#/ft	32.00	96.00

Cantilever Span

		2x8	4x10
Span	ft	2.00	
Uniform Dead Load	#/ft	23.00	
Uniform Live Load	#/ft	32.00	

Results Ratio = 0.9946 0.3795

Mmax @ Center	in-k	12.11	24.75
@ X =	ft	6.08	5.00
Mmax @ Cantilever	in-k	-1.32	0.00
fb : Actual	psi	1,600.7	495.9
Fb : Allowable	psi	1,609.4	1,306.6
		Bending OK	Bending OK
fv : Actual	psi	58.5	32.4
Fv : Allowable	psi	118.8	118.8
		Shear OK	Shear OK

Reactions

@ Left End DL	lbs	137.12	345.00
LL	lbs	196.00	480.00
Max. DL+LL	lbs	333.12	825.00
@ Right End DL	lbs	190.63	345.00
LL	lbs	265.22	480.00
Max. DL+LL	lbs	455.85	825.00

Deflections

Center DL Defl	in	-0.309	-0.042
L/Defl Ratio		476.4	2,854.9
Center LL Defl	in	-0.459	-0.058
L/Defl Ratio		320.6	2,052.0
Center Total Defl	in	-0.767	-0.101
Location	ft	6.125	5.000
L/Defl Ratio		191.6	1,193.9
Cantilever DL Defl	in	0.151	
Cantilever LL Defl	in	0.210	
Total Cant. Defl	in	0.362	
L/Defl Ratio		132.7	

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