

CITY OF SACRAMENTO

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

Permit No: 9904550

1231 I Street, Sacramento, CA 95814

Insp Area: 2

Site Address: 5 NAUTILUS CT SAC

Sub-Type: RES

Parcel No: 030-0740-014

Housing (Y/N): N

CONTRACTOR

ALI. PRO ROOFING
8:47 EARLY MORNING WY
ANTELOPE CA 95843

OWNER

KURAKUSU TSUGIO/YUKAKO
5 NAUTILUS CT
SACRAMENTO CA 95831

ARCHITECT

Nature of Work: TEAR OFF AND REROOF 32 SQ WITH LITE WT 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 39 License Number 573662 Date 5/11/99 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 5/11/99 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 STATE FUND Policy Number 713-98 UNIT 0001971 Exp Date 10/01/1999

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 5/11/99 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.

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DEPARTMENT OF
PLANNING AND DEVELOPMENT

CITY OF SACRAMENTO
CALIFORNIA

1231 I STREET
ROOM 700
SACRAMENTO, CA
95814-2998

Permit Services
916-264-7610
FAX 916-264-7046

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 Lightweight Everwest
- 2. TILE WEIGHT PER SQUARE 730
- 3. WEIGHT OF ROOF SYSTEM PER SQUARE ~~700~~ 40
- 4. TOTAL WEIGHT OF ROOF SYSTEM 770
- 5. DOES TOTAL WEIGHT OF ROOF SYSTEM EXCEED 750# PER SQUARE? YES NO
- 6. ROOF SLOPE 5/12

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

KAIRAKUSHI RES
5 NAUTICUS CT

1 2

LOAD SUMMARY

PIECE TILE	7.3	PSF
FRMG	1.5	PSF
2 ND G	1.5	PSF
UNDER	1.5	PSF
	<hr/>	
	10.8	PSF

$$LL = 16 \text{ PSF}$$

$$\text{TOTAL LOAD} = 27.0 \text{ PSF}$$

Mark R. [Signature]
12/02

GAR

$$2 \times 6 @ 24" \text{ O.C.} \quad 12.5' \text{ SPAN}$$

$$Y = .5(54 \times 12)(12.5') = 337.5 \text{ LB}$$

$$A_{REQ} = \frac{1.5(337.5 \times)}{85 \#/\text{sq in}} = 5.9 \text{ sq. in.}$$

$$M = 54(12.5')^2 / 8 = 1054 \text{ LB-FT}$$

$$S_{REQ} = \frac{1054(12)}{1495 \text{ psi} (1.25)^3} = 6.8 \text{ in.}$$

* ALLOW. INCREASE PER VBL

$$\Delta = \frac{12.5'(12)}{240} = .6 \text{ in.}$$

$$\Delta = \frac{5(54 \times)(12.5')(1728)}{334(1.624)(20.8 \text{ in}^3)} = .2 \text{ in.}$$

KAURAKOSU 2/5

2 2

5 RAFTERS

BEDROOMS

2x6 @ 24" o.c. 8' SPAN
8' < 12.5' - ok

LIVING ROOM

2x6 @ 24" o.c. 18' SPAN

=> 18' SPAN TO F12

∴ CHECK FOR ~~18'~~ 2x6

$$V = 5(54\#)(18') = 486 \text{ LB}$$

$$A_{REQ} = 1.5(486) / 85 = 8.6 \text{ IN}^2$$

$$M = 54(18')^2 / 8 = 2187 \text{ LB-FT}$$

$$\Delta_{DEF} = 2187(12) / 1495 \text{ PSI} (1.25)^4 = 14 \text{ IN}$$

$$\Delta = 18(12) / 240 = .9 \text{ IN} \quad * \text{ REDUCTION PER UBC}$$

$$\Delta = 5(54\#)(18')(1728) / 384(1.686 \text{ PSI})(48.5) = .4 \text{ IN}$$

* CONTRACTOR TO DOUBLE 2x6 RAFTERS FULL LENGTH. CONNECT W/ 2 - 8d EVERY 12"

* THE REST OF THE EXISTING STRUCTURE IS ADEQUATE FOR THE PROPOSED LOADING

=> ALL LUMBER VALUES FROM CURRENT U.B.C.