

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0108583
Insp Area: 4

Site Address: 2616 NORTHGLEN ST SAC
Parcel No: 262-0243-014

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

CONTRACTOR
AGUIRRE ROOFING
3515 BINGHAMPTON DR
SAC CA

OWNER
HALL, MICHAEL D
2616 NORTHGLEN ST
SACRAMENTO CA 95833

ARCHITECT

Nature of Work: REROOF WITH LIGHT WEIGHT TERRA COTTA BRAND TILE APPR. BY DESIGN REVIEW

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 CS1 License Number 765880 Date 7-6-01 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 7-6-01 Owner Signature [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 7-6-01 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 STATE FUND Policy Number 1563299-99 Exp Date 09/29/2001

(This section need not be completed if the permit is for \$100 or less) I agree 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 comply with those provisions.

Date 7-6-01 Applicant/Agent 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.

GREGORIN DESIGN & ENGINEERING
9469 FORT WORTH WAY
SACRAMENTO, CA 95827

PH/FAX: 916.362.3230
PGR: 415.210.4080

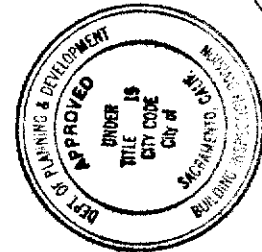
RESIDENTIAL ROOF INSPECTION
2616 NORTHGLEN STREET
SACRAMENTO, CA

Date: July 06, 2001
For: Aguirre Roofing
3515 Binghampton Drive
Sacramento, CA 95834



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 any violation of any City Ordinance or State Law.



Handwritten signature: Gregorin 7/6/01

Disclaimer:

The sole purpose of this report is to visually inspect the general conditions of the construction of the existing roof and to determine it's structural adequacy for supporting the roof loads of the newly proposed roofing work.

The roofer will assume the responsibility to verify and repair any wood he witnesses during the course of his work showing any evidence of deterioration (dry rot, termite infestation). No testing and/or samples were taken during my inspection and thus no warranties or guarantees regarding the condition of the existing materials is expressed. The Engineer of Record of this report will not assume any liability associated with any claims related to damage resulting from deteriorated wood present in the existing house or damage related to the roofing work performed.

I, Frank L. Gregorin, P.E., has visually inspected readily accessible areas of the roof structure of the residence located at 2616 Northglen Street, Sacramento, California for Jose Aguirre, Owner of Aguirre Roofing, in compliance with Sacramento City Code, Section 9.03.146 (D) 3).

The structure is a single family one story house built in the early 1970's and it's roof structure is conventional framing comprized typically of 1x skip sheathing over 2x4 rafters at 24"o.c. spanning no more than 10'. The eaves do not exceed 3'-0". The existing timber that I visually inspected showed no visible signs of distress or deterioration and is deemed to be in sound condition.

It is my professional opinion that the existing roof structure with it's rafters well distributed by strongbacks and struts to the closely spaced interior partitons with clear spans not exceeding 10' should adequately support the addition of "lightweight" tile (560#/square).

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The weight of the revised roof assembly will consist of:

(e) 2x4 @ 24" o.c.	0.70 psf
(e) 1x6 skip sheathing	0.30 psf
(n) 1/2 sheathing	1.50 psf
(n) light-weight tile (580#/sq.)	5.80 psf
sum =	8.30 psf
	x 12.65/12 (4:12 slope adjustment)
	8.75 psf

Check strength of typical 2x4 rafter at 24" o.c. for maximum span of 10' (assume DF No.1 minimum).
Using pre-1994 timber stress values which is present in this house. Reference 1988 U.B.C.

$$\begin{aligned} F_b \text{ repetitive member use} &= 2050 \text{ psi}, 2050 \times 1.25 \text{LDF} = 2562.5 \text{ psi} \\ V &= 10' / 2 \times (8.75 + 16) \text{ psf} \times 2' = 149 \# \quad f_v = 248 \times 1.5 / 5.25 = 71 \text{ psi} < 95 \text{ psi} \times 1.25 \\ M &= 2' (8.75 + 16) \text{ psf} \times 10' \times 10' / 8 = 891 \# \quad f_b = 619 \times 12 / 3.06 = 2428 \text{ psi} < 2562.5 \text{ psi} \\ &\text{therefore O.K.} \end{aligned}$$

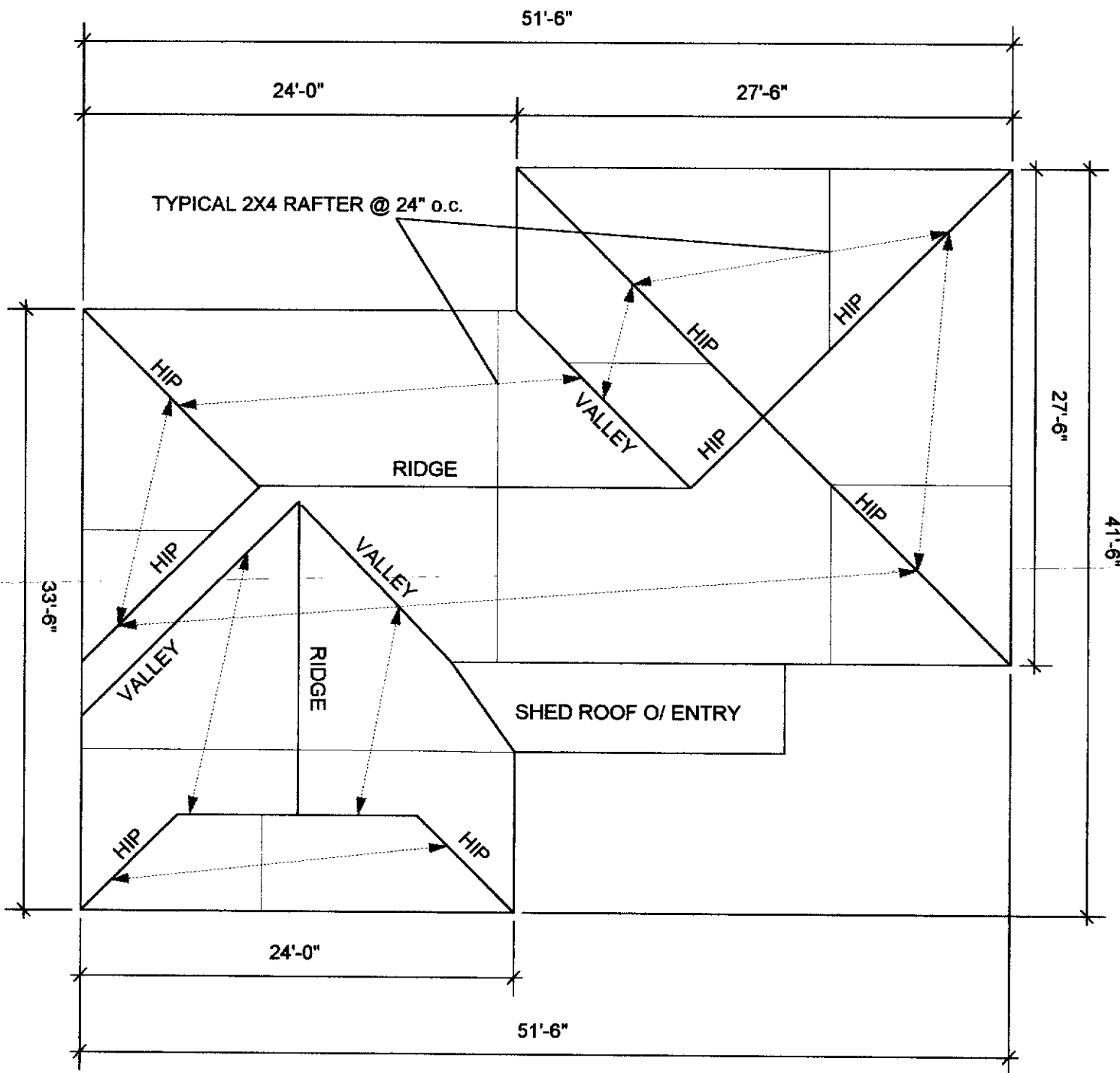
Check strength of overhang for maximum span of 3'-0" with 2x4 rafters at 24" o.c. maximum where may be occurring (assume DF No.2 minimum)

(e) 2x4 min. @ 24" o.c.	0.70 psf
(e) 2x decking or (n) plywd. or 1x shthg	4.50 psf
(n) light-weight 580# per square tile	5.80 psf
sum =	11.00 psf
	x 12.65/12 (4:12 slope adjustment)
	11.60 psf, say 12 psf

Distributed Load = (12 psf DL + 16 psf LL) (2' spacing) = 56 plf

$$\begin{aligned} V_{\text{max}} &= (1.5) (56 \text{ plf}) (3') = 252 \# \\ f_v &= (252 \#) / (5.25 \text{ sq. in.}) = \underline{48 \text{ psi}} < \underline{118.75 \text{ psi}} \Rightarrow F_v = 95 \times 1.25 \text{LDF} \\ M_{\text{max}} &= (56 \text{ plf}) (3') (3'/2) = 252 \# \\ f_b &= (252 \#) (12 \text{ in/ft}) / (3.0625 \text{ in}^3) = \underline{988 \text{ psi}} < \underline{1093 \text{ psi}} \Rightarrow F_b = 2050 \times 1.25 \text{LDF} \end{aligned}$$

Therefore strength of existing 2x4 min. eave rafters @ 24" o.c. max. w/ 3'-0" max. span
therefore O.K.



ROOF PLAN
2616 NORTHGLEN STREET