

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0105264
Insp Area: 4

Site Address: 740 SOTANO DR SAC
Parcel No: 262-0290-025

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

CONTRACTOR
AGUIRRE ROOFING
3515 BINGHAMPTON DR
SAC CA

OWNER
SERRATO ANTONIO O/OLIVIA R
740 SOTANO DR
SACRAMENTO CA 95833

ARCHITECT

Nature of Work: 25 SQ T/O REROOF W LT 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.

X License Class C-39 License Number 705880 Date 4-27-01 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.

X Date 4-27-01 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.

X _____, 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 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.

X Date 4-27-01 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.

GREGORIN DESIGN & ENGINEERING

9469 FORT WORTH WAY
SACRAMENTO, CA 95827

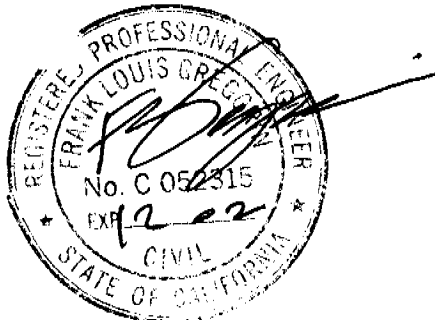
PH/FAX: 916.362.3230

PGR: 415.210.4080

RESIDENTIAL ROOF INSPECTION

**740 SOTANO DRIVE,
SACRAMENTO, CA**

Date: April 26, 2001
For: Aguirre Roofing
3515 Binghampton Drive
Sacramento, CA 95834



Disclaimer:

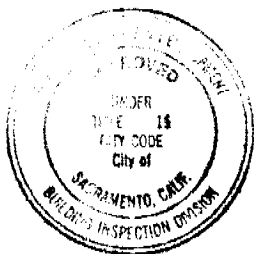
The sole purpose of this report is to visually inspect the general conditions of the construction of the existing roof and to determine it's structural adequacy for supporting the roof loads of the newly proposed roofing work.

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 740 Sotano Drive, 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 two story house built in the late 1970's and it's roof structure is comprised of 1x skip sheathing over prefabricated gang nailed roof trusses at 24" o.c. with 2x4 chords and diagonals. The eaves do not exceeding 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.

From my experience this type prefabricated roof truss structure is typically designed for no less than a roof dead load of 10 psf top chord loading and a ceiling dead load of 10 psf bottom chord loading. It is my expert opinion that the existing roof truss structure can adequately support the existing material that is to remain and the new roofing material to be added.



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.

Final 2/27/01

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The weight of the new roof assembly will consist of:

(e) 2x4 top chord @ 24" o.c.	0.56 psf
(e) 1x6 skip sheathing	0.30 psf
(n) 1/2 CDX Plywood sheathing	1.50 psf
(n) roof paper	0.50 psf
(n) light-weight tile (580#/sq.)	5.80 psf
sum =	8.66 psf
	<u>12.65/12</u> (4:12 slope adjustment)
	9.13 psf < 10 psf allowable, therefore O.K.

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

(e) 2x4 @ 24" o.c.	0.56 psf
(e) 2x decking or (n) plywd. o/ 1x shthg	4.50 psf
(n) roofing paper	0.50 psf
(n) light-weight 580# per square tile	5.80 psf
um =	11.36 psf
	<u>12.65/12</u> (4:12 slope adjustment)
	11.98 psf , say 12 psf

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

$V_{max} = (1.5) (56 \text{ plf}) (3') = 252 \text{ \#}$

$f_v = (252 \text{ \#}) / (5.25 \text{ sq. in.}) = 48 \text{ psi} < 118.75 \text{ psi} \Rightarrow F_v = 95x1.25LDF$

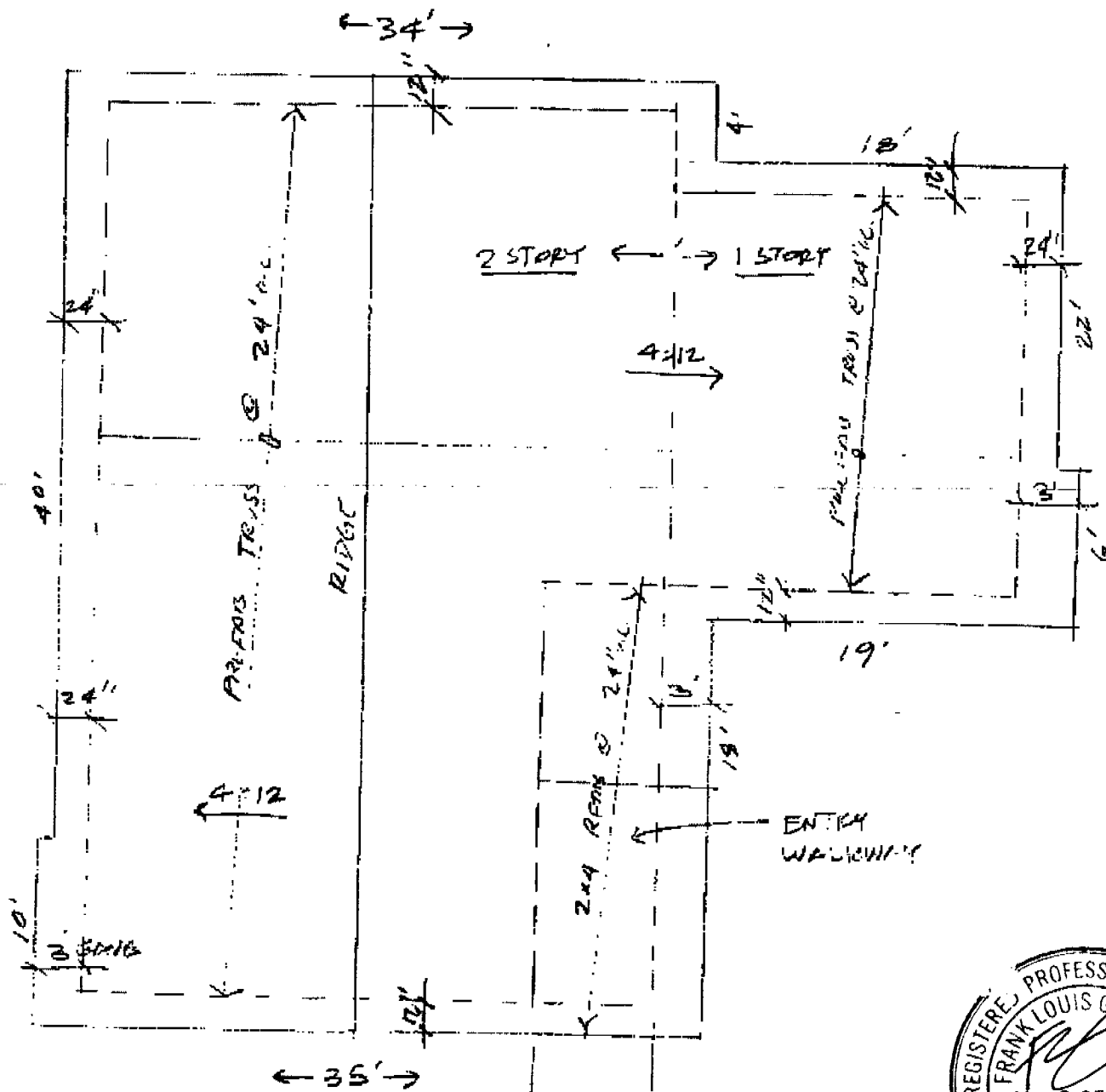
$M_{max} = (56 \text{ plf}) (3') (3'/2) = 252 \text{ \#}$

$f_b = (252 \text{ \#}) (12 \text{ in/ft}) / (3.0625 \text{ in}^3) = 988 \text{ psi} < 1093 \text{ psi} \Rightarrow F_b = 875x1.25LDF$

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

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ROOF PLAN

740 SOTANO DR.

