

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0108896
Insp Area: 4

Site Address: 700 SOTANO DR SAC
Parcel No: 262-0290-029

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

CONTRACTOR

OWNER

ARCHITECT

GUTIERREZ BASILIO & MARIA ARCELIA
700 SOTANO DR
SACRAMENTO CA 95833

Nature of Work: REROOF T/O REPAIR DAMAGED TRUSSES INSTALL 6SQ LIGHTWEIGHT 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 _____ License Number _____ Date _____ Contractor 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 & P. for this reason _____

Date 7-12-01 Owner Signature Basilio Gutierrez

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 7-12-01 Applicant/Agent Signature Maria Gutierrez

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

CITY OF SACRAMENTO

____ 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: 2001

Carrier

Exp Date

NEIGHBORHOODS, PLANNING AND DEVELOPMENT SERVICES

(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 7-12-01 Applicant Signature Basilio Gutierrez

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.

OWNER-BUILDER VERIFICATION

ATTENTION PROPERTY OWNERS

An owner-builder building permit has been applied for in your name and bearing your signature.

Please complete and return this information in the envelope provided at your earliest opportunity to avoid unnecessary delay in processing and issuing your building permit. No building permit will be issued until this verification is received.

1. I personally plan to provide the major labor and materials for construction of the proposed Improvement (yes/or no) _____
2. I (have/have not) _____ signed an application for A building permit for the proposed work.
3. I have contracted with the following person (firm) to provide the proposed construction:

Name _____ Address _____

City _____ Telephone _____

Contractors License No. _____

4. I plan to provide portions of the work, but I have hired the following person to coordinate, Supervise, and provide the major work.

Name _____ Address _____

City _____ Telephone _____

Contractors License No. _____

5. I will provide some of the work but I have contracted (hired) the following to provide the Work indicated:

Name	Address	Phone	Type of work
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_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

X Signed Casilio Gutierrez

Job Address 700 SOTANO DR

Permit No: 0108896

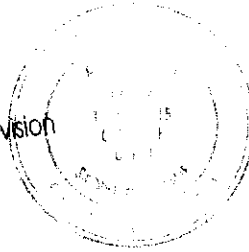
Pacific Consulting Engineers

2150 Bell Ave., Suite 145 • Sacramento, CA 95838 • (916) 564-6028 • Fax: (916) 564-6029

ISSUED

July 9, 2001 JUL 12 2001

Sacramento Building Division
Mr. & Mrs. Gutierrez
700 Sotano Dr.
Sacramento, CA 95833



The use of this report must be limited to the project for which it was prepared. It is unlawful to make a copy of this report for use on the same project without the permission from the Building Division.

The approval of this plan and specification shall not be held to exempt or approve the violation of any City Ordinance or State Law.

[Handwritten signature] 7/12/01

RE: Re-roof at your residence on 700 Sotano Dr., Sacramento, CA 95833
This inspection and letter is our Job # 01-874.

Per your request, on July 9, 2001, I performed a visual inspection of existing roof framing at the aforementioned residence. The purpose was to determine if the existing roof framing is acceptable to support a light weight tile instead of the existing wood shake. The existing roof framing consisted of Pre-manufactured trusses spaced at 24" c.c.. The trusses were constructed of 2x4 df framing members.

The residence is a 2 story structure with 4 bedrooms upstairs and the typical living areas (kitchen, dining, living, family room) plus one bedroom/den and a garage at the lower story. Attachment #1 shows a sketch of the roof plan with approximate dimensions.

Based on the inspection, please be advised that it is structurally acceptable to remove the existing wood shake roofing material that weighs approximately 3 psf and replace it with a light weight Tile (6.0 psf or less – 600# per square) on the aforementioned residence. The new material is approximately 3.0 psf heavier and will not adversely affect the existing roof structure.

During the inspection it was noted that the bottom chord of the exposed trusses over the garage had been damaged and reinforced. Two of the trusses had cracks and separation, in the mid point of the bottom chord, at the point where the web members met the bottom chord. One of the trusses had a crack in the bottom chord where it tied to the top chord over the right wall of the garage.

Attachment #1 (sketch of the roof plan) shows the location of the damaged trusses. Attachment #2 shows the repair details. Attachment #3 has the calculations regarding the truss repair details.

Please note the following regarding the truss repair details

- 1) Make truss repairs after removing existing wood shakes and prior to placing new roof covering.

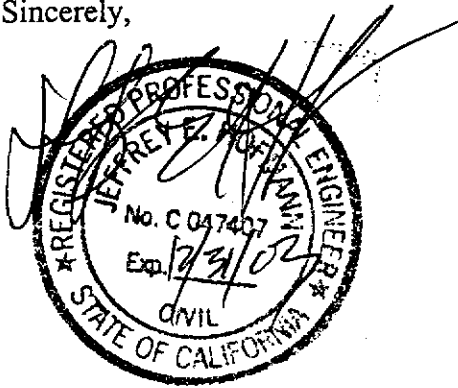
- Detail 1:**
- 1) Place wood glue (such as Elmers Wood Glue) on the full mating surface of the existing truss and new bottom chord brace.
 - 2) Pre-drill lead holes for all #10 wood screws, to prevent splitting of the lumber, with 1/8" dia drill bit.
 - 3) Coat screws with liquid soap prior to installing.

- Detail 2:**
- 1) Place wood glue (such as Elmers Wood Glue) on full mating surface of the exiting truss and new plywood gusset.
 - 2) Plywood gusset is to be a minimum of 48" wide and is to be made from 3/4" (21/32" min) APA Rated plywood. Oriented with the face grain parallel to the bottom chord. Place as close as possible to the end of the truss (at least to inside face of wall), and is to be sized to match the depth of the truss (within 1/2") at all points.

Thus, it is my professional opinion that providing the aforementioned repairs are made, the removal of the existing wood shake and the placement of the light weight tile will not have an adverse affect on the structural integrity of the existing structure.

If you have any questions or need further clarification on these matters please feel free to contact me at (916) 564-6028.

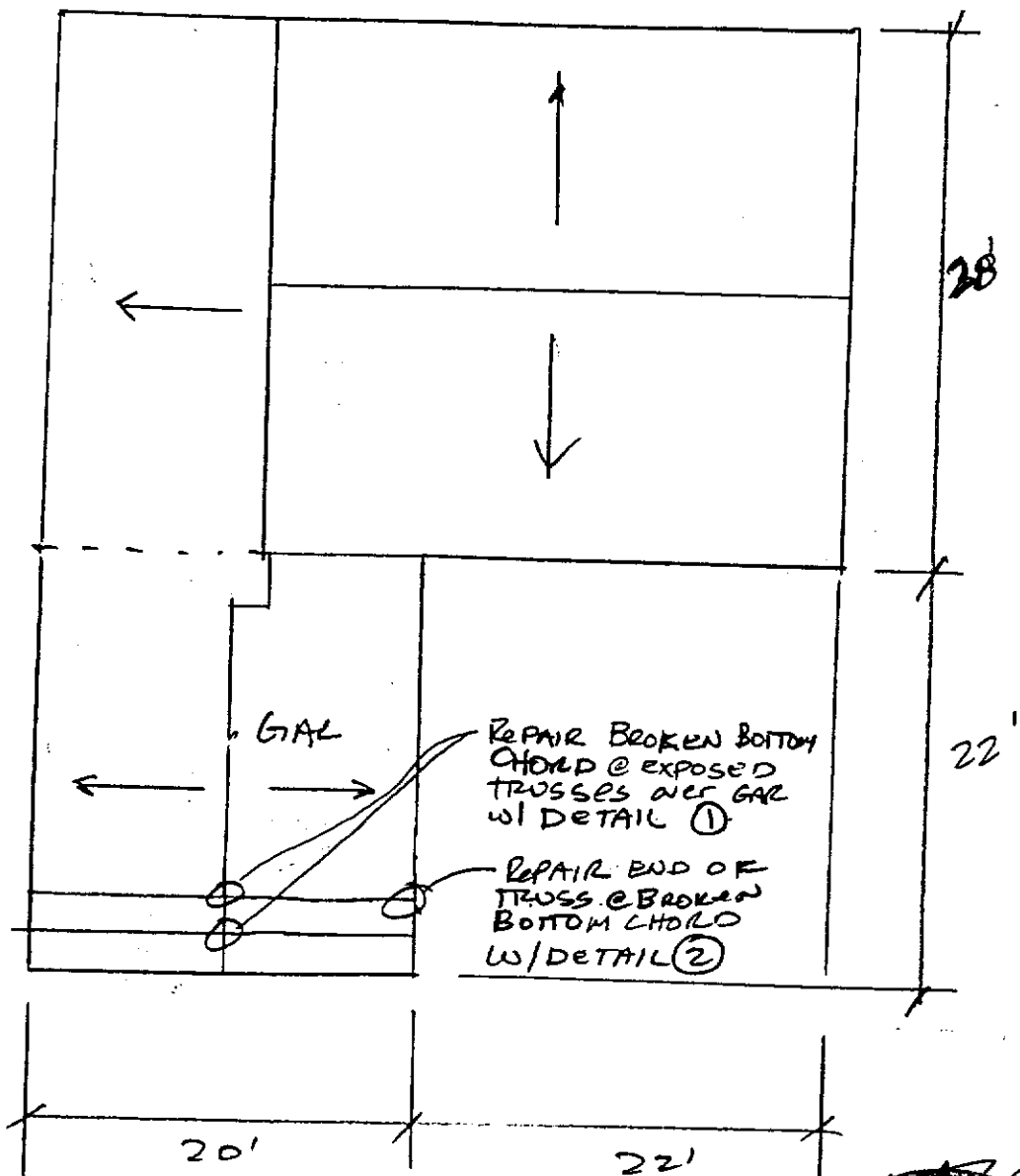
Sincerely,



Jeffrey E. Hofmann, P.E.

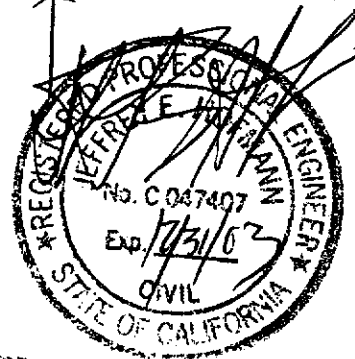
NOTE: SEE ATTACHMENT 2
FOR GARAGE TRUSS
REPAIR, DETAILS.

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



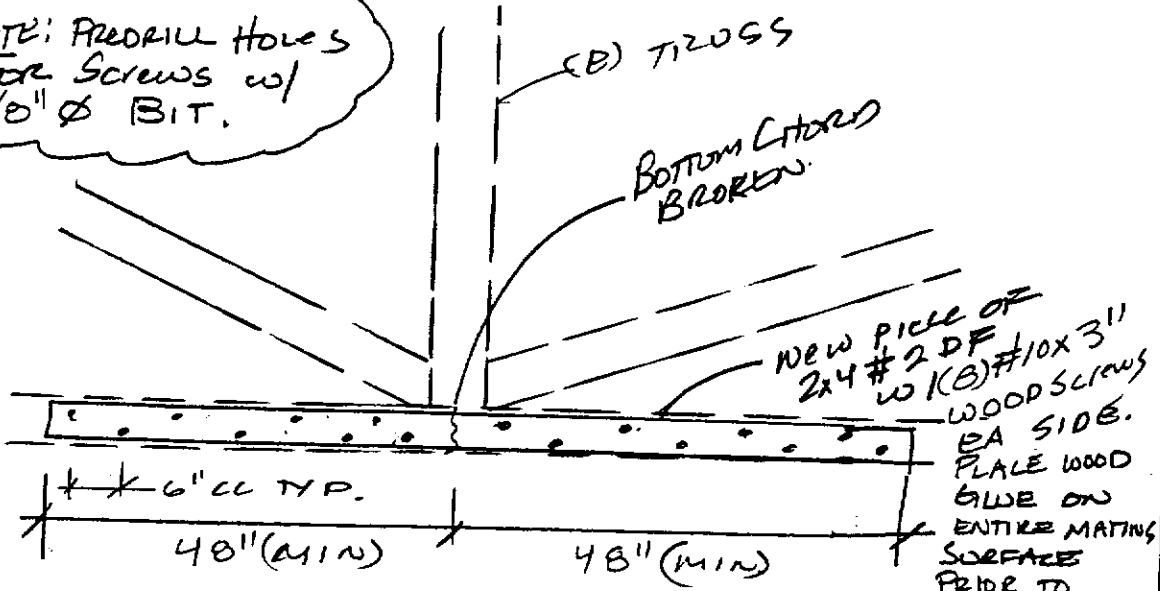
ROOF PLAN

GUTIERREZ RESID
700 SOTANO
SACRAMENTO, CA

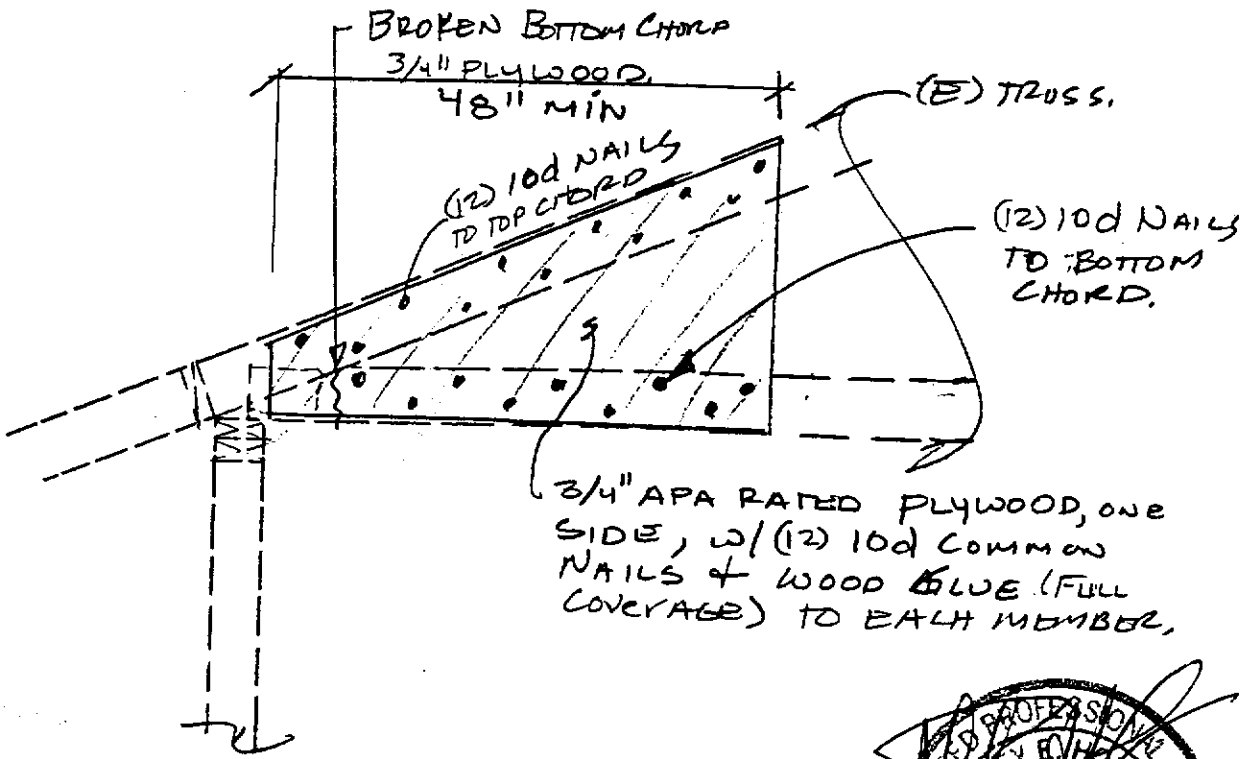


PACIFIC CONSULTING ENGINEERS
2150 BELL AVE., SUITE 145
SACRAMENTO, CA 95838

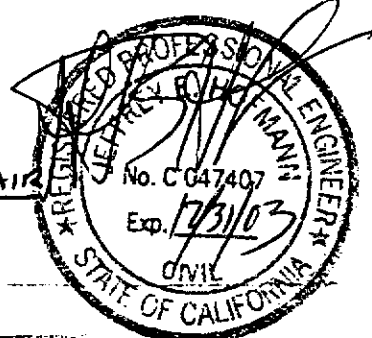
NOTE: PREDRILL HOLES FOR SCREWS w/ 1/8" Ø BIT.



1 DETAIL - GARAGE TRUSS REPAIR
N.T.S.



2 DETAIL - GARAGE TRUSS REPAIR
N.T.S.



PACIFIC CONSULTING ENGINEERS
2150 BELL AVE., SUITE 148
SACRAMENTO, CA 95838

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS

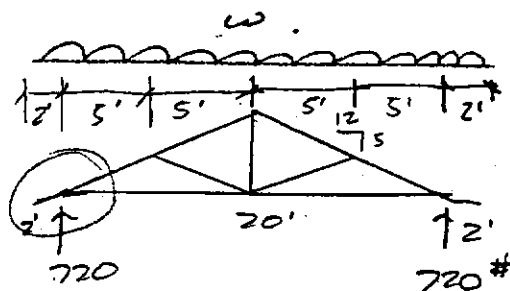
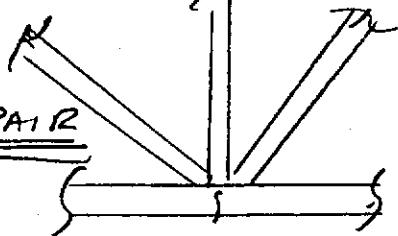


CHECK BOTTOM CHORD REPAIR @ GARAGE TRUSSES

$$W = 2' (6 + 14) = 60 \text{ PLF}$$

BOTTOM CHORD REPAIR

@ MIDDLE



$$T = 1080 \#$$

$$V_{AN} (\#10 \times 3" \text{ W, S.}) = 145 \#/\text{screw}$$

$$\text{MIN} \# = \frac{1080}{145} = 7.44$$

$$\begin{aligned} 270 \# & \quad 5 \sqrt{\frac{12}{13}} \\ & \quad \downarrow \\ & \quad 1170 \# \left(\frac{12}{13} \right) = 1080 \# \\ & \quad \uparrow \\ & \quad 720 \end{aligned}$$

$$(720 - 270) \left(\frac{13}{5} \right) = 1170 \#$$

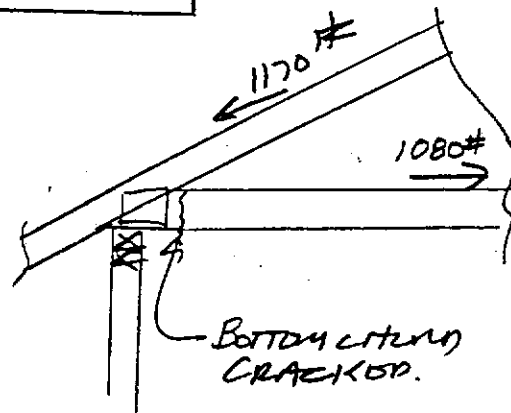
1 PLACE 8' (MIN) PIECE OF 2x4 #2DF CENTERED ON CRACK IN BOTTOM CHORD. ATTACHED TO (E) BOTTOM CHORD MEMBER(S) W/ FULL COVERAGE WOOD GLUE + (8) #10 X 3" WOOD SCREWS ON EACH SIDE OF CRACK IN BOTTOM CHORD. PREDRILL HOLES FOR SCREWS W/ 1/8" Ø BIT.

@ END

$$\begin{aligned} V_{ALL 10d \text{ IN } 3/4" \text{ PLYWOOD}} &= 84 \# (1.25) \\ &= 105 \#/\text{NAIL} \end{aligned}$$

MIN # OF NAILS EA. MEMBER

$$= \frac{1080}{105} \approx 10.3 \text{ NAILS}$$



1 PLACE 4' MIN LENGTH PLYWOOD GUSSET W/ (12) 10d COMMONS TO EACH JOINT TOP CHORD + BOTTOM CHORD. OF THE EXISTING TRUSS - PLACE WOOD GLUE AT MATING SURFACE OF PLYWOOD + TRUSS SUCH THAT IT PROVIDES FULL COVERAGE. PRIOR TO ATTACHING GUSSET TO TRUSS

PACIFIC CONSULTING ENGINEERS
 2150 BELL AVE., SUITE 145
 SACRAMENTO, CA 95834

Pacific Consulting Engineers

2150 Bell Ave., Suite 145 • Sacramento, CA 95838 • (916) 564-6028 • Fax: (916) 564-6029

September 10, 2001

Mr. & Mrs. Gutierrez
700 Sotano Dr.
Sacramento, CA 95833

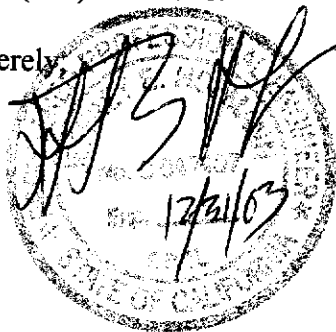
RE: Re-inspection of Roof Repairs at your residence on 700 Sotano Dr., Sacramento, CA 95833. This inspection and letter is our Job # 01-874.

As requested, on August 31, 2001, I inspected the repairs to the existing roof framing over the garage, that were recommended in my original report. The purpose was to determine if the repairs were made per my original report.

Please be advised that the repairs made to the trusses either met or exceeded the recommendations in my original report. The plywood gussets were placed on the correct truss.

If you have any questions or need further clarification on these matters please feel free to contact me at (916) 564-6028.

Sincerely,



Jeffrey E. Hofmann, P.E.