

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0502405

Insp Area: 2

Thos Bros: 336H1

Site Address: 558 CORK RIVER WY SAC

Parcel No: 031-0770-034

Sub-Type: RES

Housing (Y/N): N

CONTRACTOR

T M MOORE
7441 WESTGATE DR
CITRUS HEIGHTS CA 95610

OWNER

FONG FAMILY TRUST
558 CORK RIVER WAY
SACRAMENTO, CA 95831

ARCHITECT

Nature of Work: TEAR OFF SHAKE, INSTALL 32 SQ. STANDARD WEIGHT 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 C-39 License Number 670403 Date 2-2-05 Contractor Signature T M Moore

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 2-2-05 Applicant/Agent Signature T M Moore

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:

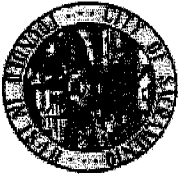
Carrier NO EMPLOYEES Policy Number _____ Exp Date _____

(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.

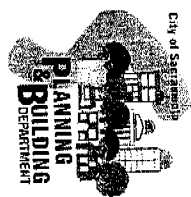
Date 2-2-05 Applicant Signature T M Moore

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.



CITY OF SACRAMENTO
 PLANNING & BUILDING DEPARTMENT
 BUILDING DIVISION
 www.cityofsacramento.org
 Help Line: 1-916-264-5656 OR 1-866-EZ-PERMIT
 Inspection: 1-916-808-4677



Downtown Permit Center
 1231 I Street, Suite 200, Sacramento, CA 95814

North Permit Center
 2101 Arena Blvd., Suite 200, Sacramento, CA 95834

Fax # 916-264-1901

Activity # _____

MINOR PERMIT APPLICATION
 (certain restrictions apply)

Date: 2-22-05

Faxed request must be received in this office by 3:00 P.M. to be processed the following workday. Contractors must have a current certificate of Worker's Compensation Insurance. Note: Work started before a Building Permit is issued will be subject to quad fee.

Permits requiring Plan Review are not eligible for FAXBACK

IN ORDER TO PROCESS THIS REQUEST, ALL THE FOLLOWING INFORMATION MUST BE PROVIDED:

0502405

Job Address: 558 CORKRIVER WAY RESIDENTIAL APARTMENTS (4+ units per building) COMMERCIAL (limited)
 Contact Person: TERRY MOORE Unit # _____ Contract Price 20,555.00
 Property Owner: ANNE FOWLE Contact Phone: 916-705-2372 or 916-966-0983
 Address: 558 CORKRIVER WAY Contractor: T.M. MOORE License # 670903
 City/State/Zip: SACRAMENTO, CA 95831 Address: 744 VESTIGATE DR
 City/State/Zip: CITRUS HEIGHTS, CA 95610
 Phone: 916-427-2308 Phone: 916-966-0183 Fax: _____
 Nature of Work: (Provide detailed description of work & indicate type of work in selections below).
 Description of Work: TEAR-OUT EXISTING SHAKES RESHEET OR ROOFED INSTALL ENGLS STAINLESS TILE

<input checked="" type="checkbox"/> Reroof (excluding tile) <input checked="" type="checkbox"/> Tear-Off <input checked="" type="checkbox"/> Resheet <input type="checkbox"/> House <input type="checkbox"/> Garage # Stories: <u>1</u> # Squares: <u>32</u> Material: _____ <input type="checkbox"/> Siding <input type="checkbox"/> Wood <input type="checkbox"/> T-111 <input type="checkbox"/> Horiz <input type="checkbox"/> Vinyl <input type="checkbox"/> Stucco	<input type="checkbox"/> HVAC Installations (Residential Only) <input type="checkbox"/> Change-out <input type="checkbox"/> New <input type="checkbox"/> Heat Pump <input type="checkbox"/> Package <input type="checkbox"/> Split system <input type="checkbox"/> Roof mount <input type="checkbox"/> Cut-in <input type="checkbox"/> Heat pump or elect. unit to gas. <input type="checkbox"/> Wall furnace <input type="checkbox"/> Other (describe below) Value of duct work: _____ Equipment: \$ _____ Cut-in: \$ _____	<input type="checkbox"/> Water Heater (Residential Only) <input type="checkbox"/> Gas <input type="checkbox"/> Electric <input type="checkbox"/> Change-out <input type="checkbox"/> Electric to Gas <input type="checkbox"/> Relocate <input type="checkbox"/> New <input type="checkbox"/> Dry Rot or Termitic Damage Repair (Describe Locations Below)	<input type="checkbox"/> Minor Electric and/or Minor Plumbing (Residential Only) <input type="checkbox"/> Electric Service Change # _____ amps <input type="checkbox"/> New electric circuits <input type="checkbox"/> Re-wire <input type="checkbox"/> Water Service Replacement <input type="checkbox"/> Sewer Service Replacement <input type="checkbox"/> Gas Line Replacement <input type="checkbox"/> Re-plumb <input type="checkbox"/> Water <input type="checkbox"/> Waste	<input type="checkbox"/> Public Utilities Safety Inspection (Residential and single apartment units Only) <input type="checkbox"/> SMUD <input type="checkbox"/> PG&E ◆ NOTE: Correction Notice items will require an additional building permit.
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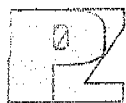
Minor Permit

*Design Review approval may be required.

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*Design Review approval may be required.



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

TEL: 916.961.3960
 FAX: 916.961.6552

RECEIVED
 SACRAMENTO BUILDING DIVISION
 FEB 22 2005

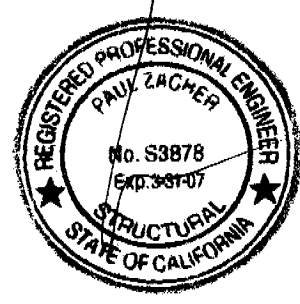
December 29, 2004

Fong
 558 Cork River Way
 Sacramento, CA 95831
 TEL: (916) 427-2308
 FAX:

ISSUED

FEB 22 2005

Sacramento Building Division



Attn.: Ms. Fong,

re: Job 2004698: FONG

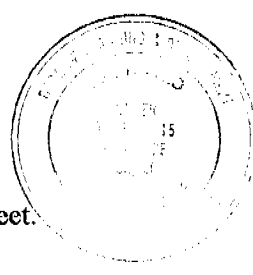
Subject: Structural Investigation Report of the Roof for the Residence located at 558 Cork River Way, Sacramento, CA 95831.

As requested by Ms. Fong, 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 28, 2004. The investigation was made to determine the existing condition of the structure. All information, data and analysis contained within this report are based on the 1997 Uniform Building Code with 2001 CBC Title 24 Amendments.

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

DESCRIPTION:

Type of Facility: Residence.
 Year Built: Estimated 1980's vintage.
 Occupancy: Residential.
 No. of Stories: One.
 Dimensions: Approximately 2000 square feet.



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 plans without written permission from the City of Sacramento. The City of Sacramento is not responsible for any errors or omissions in these plans. If you have any questions, please call the City of Sacramento at (916) 498-1234.

OK per CB 2/22/05 [Signature]

CONSTRUCTION:

Roof:
 The roof covering will consist of a Standard Weight Concrete Tile over 7/16" solid sheathing. The roof structure 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 2x8 cross ties spaced at 4'-0" on center.

CONCLUSIONS:

Roof:
 The roof structure currently lacks sufficient structural capacity for the applied live and dead loads. See "Recommendations" for location and repair to bring the roof structure up to the required capacity.

1/8

CITY COPY



RECOMMENDATIONS:

If any of the following recommendations do not correspond to actual field conditions, the engineer of record shall be notified for further investigation and evaluation before continuing work.

Roof Structure:

1. Scab a 1 3/4" x 11 7/8" LVL beam to the existing 2x8 crosstie and nail together with 16d's @ 6" oc. The ends of the LVL may be clipped as required to meet the slope of the rafters. The support at the interior wall shall be a 2x8 x 2'-8" long ledger attached to the double top plate with 16d's @ 2" oc staggered. Support the existing valley rafter to the LVL beam with a 2x4 struts. See details 1 and 2.
2. Scab a 1 3/4" x 11 1/4" LVL to the existing header. Jack up the existing beam as required where the existing sag occurs to provide an even contour at the roof level before installation of the LVL. See details 1 and 3.
3. Add a 2x6 DF#2 x 14'-0" long purlin with 2x4 struts to the bearing walls below. The maximum spacing between the struts shall not exceed 6'-0" on center and the minimum slope of the struts shall not be less than 45 degrees from the horizontal. See detail 1.
4. Add a 2x4 strut from the existing hip rafter to the bearing wall below where the splice occurs. See detail 1.
5. Shim the areas as required where the existing sags occur to provide an even contour at the roof level. See detail 1.

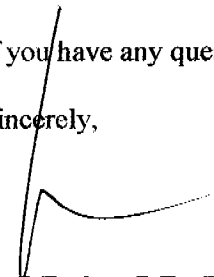
It shall be noted that small hairline cracking may occur at exterior stucco and interior gypboard finished walls that are load bearing or distributing roof strut loads. These cracks are a natural occurrence as the existing structure re-distributes the new roof weight. They are cosmetic in nature and 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 that 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.

DESIGN LOADING:

Roof Pitch	6	in 12
Pitch Adjustment Factor	1.12	

LOCATION: ROOF

<u>MATERIAL</u>	<u>WEIGHT</u>	
Standard Weight Tile	10.30	psf
Roofing felt	0.30	psf
1x4 skip sht'g	1.09	psf
7/16" OSB/ plywood	1.30	psf
2x6 rafters @ 24" oc	<u>1.00</u>	psf
	Load	14.0 psf
Roof Pitch Adjustment	<u>1.65</u>	psf
Total Load	15.6	psf

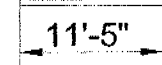
LOADING:

Rafter:

Dr = 15.6 psf x 2'-0" = 31.2 plf
Lr = 16.0 psf x 2'-0" = 32.0 plf

2x6 #2

31.2 / 32.0

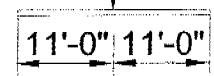


LVL:

Pdr = 15.6 psf x 7' x 7' = 764 lbs
Plr = 16.0 psf x 7' x 7' = 784 plf

1-3/4"x11 7/8" LVL

764 / 784



R1 = 382 / 392

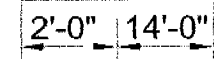
B1:

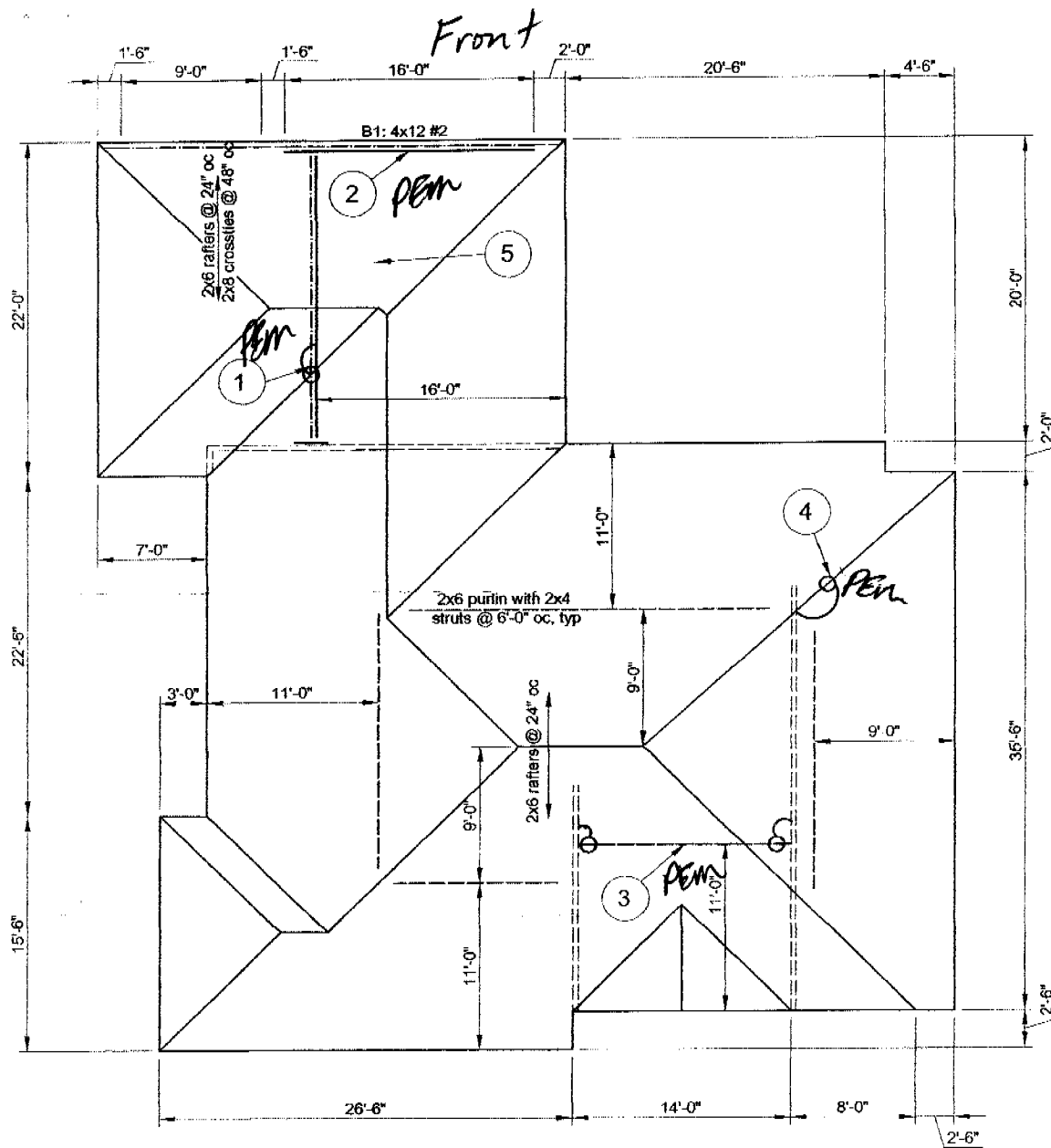
Dr = 15.6 psf x 7'-0" = 109 plf
Lr = 16.0 psf x 7'-0" = 112 plf
Pd/l = 382 / 392 - LVL

1-3/4"x11 7/8" LVL

382 / 392

109 / 112



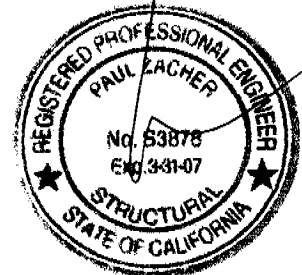


FRAMING NOTES:

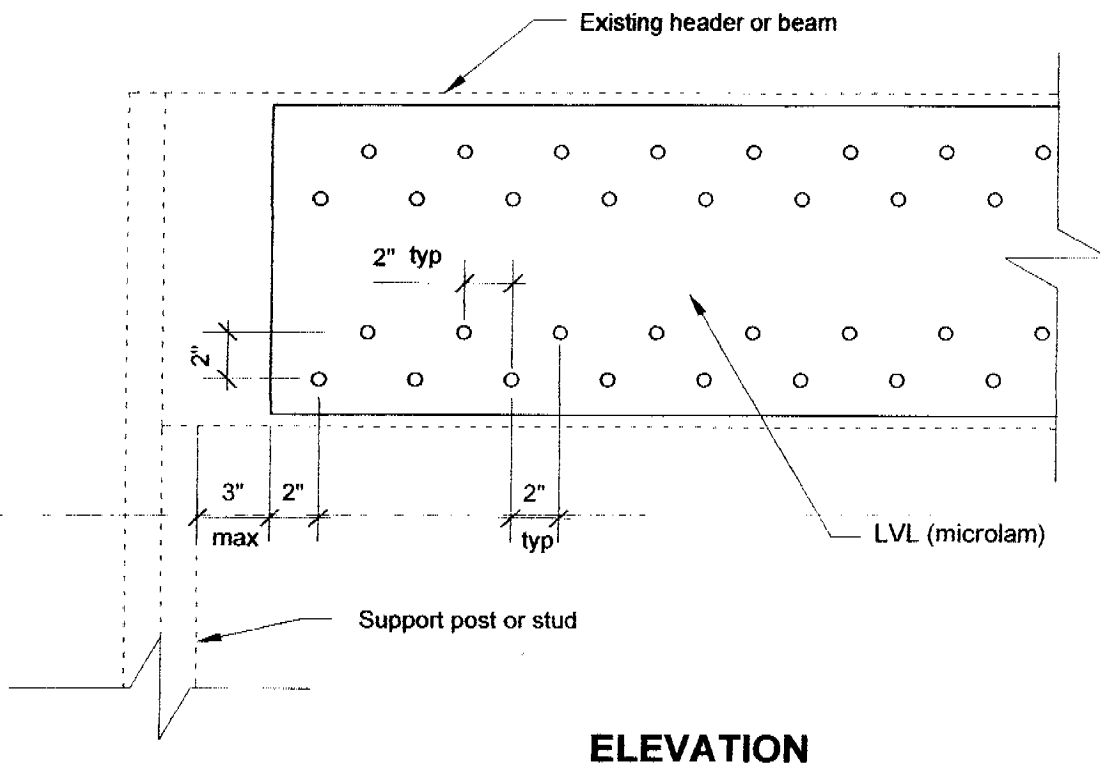
1. Scab a 1-3/4" x 11-7/8" LVL to the existing 2x8 crosstie with 16d's @ 6" oc. The ends of the LVL may be clipped as required to meet the slope of the rafters. The support at the interior wall shall be a 2x8 x 2'-8" long ledger attached to the double top plate with 16d's @ 2" oc staggered. Support the existing valley rafter to the LVL below with a 2x4 struts. See detail 2.
2. Scab a 1 3/4" x 11 1/4" LVL to the existing 4x12 beam. See detail 3.
3. Add a 2x6 DF#2 x 14'-0" long purlin with 2x4 struts to bearing below.
4. Add a 2x4 strut from the splice in the existing hip rafter to bearing below (total 1) .
5. Shim the areas as required where the existing sags occur to provide an even contour at the roof level.

NOTES:

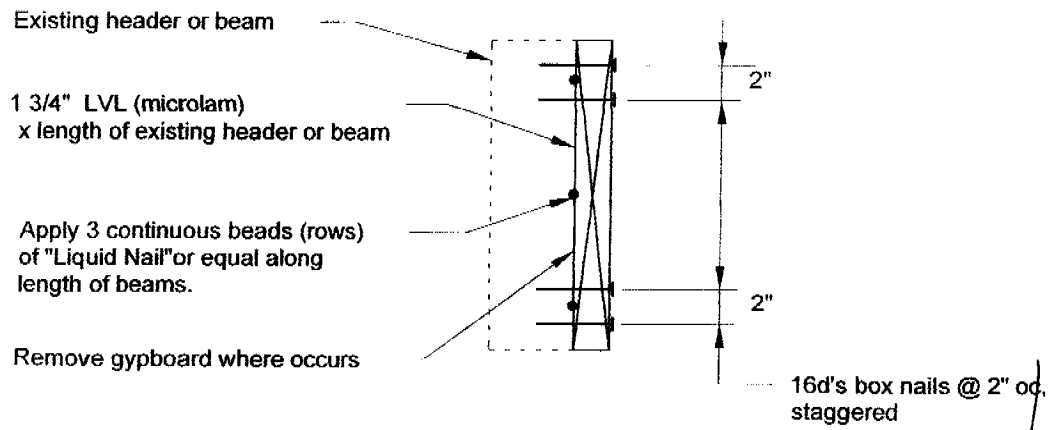
- A. This is a reroof project. The new roofing material shall be a Standard Weight Concrete Tile. The tile shall weigh less than or equal to 10.3 psf.
- B. All rafters are 2x6 DF#2 and hips and valleys are 2x8 DF#2 unless otherwise noted.
- C. All existing rafter, hips, valleys, rafter ties, and purlins are braced per UBC Section 2320.1 "Roof and Ceiling Framing" unless otherwise shown.
- D. All structural wood members that were observed appear to be in sound condition and without structural defect.



1
ROOF PLAN - FONG
 Not to Scale



ELEVATION



SECTION

3

DETAIL

scale: 1 1/2" = 1'-0"

8

