

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 9909185

Insp Area: 2

Site Address: 46 YUBA RIVER CR SAC
Parcel No 031-0320-022

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

CONTRACTOR
YANCTY BROS
8250 ALPINE AV #D
SACRAMENTO CA 95826

OWNER
SANBORN JAMES R/ETHEL C
46 YUBA RIVER CIR
SACRAMENTO CA 95831

ARCHITECT

Nature of Work: 41SQ TEAR OFF AND REROOF WITH 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 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 _____ Applicant/Agent 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 VILLANOVA INS CO Policy Number WC2-0983698 Exp Date 11/01/1999

(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 _____ Applicant 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.

SANBORN

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

46 Yuba River CK
#990918SR

TEL: 916.961.3960
FAX: 916.961.3960

July 2, 1999

Yancey Brothers Roofing
8250 Alpine Ave, Suite A
Sacramento, CA 95826
TEL: (916) 457-5113
FAX: (916) 457-5427

ISSUED

AUG 17 1999

DEPARTMENT OF
REVENUE SERVICES DIV



Attn: Mr. Doug Homer,

re Job 99147: SANBORN

Subject: Structural Investigation Report of the Roof for the Residence located at 46 Yuba River Court, Sacramento, CA 95831.

As requested by Mr. Doug Homer, this is a report to determine what needs should be addressed to correct any structural deficiencies of the roof. Paul Zacher visited the site July 2, 1999. The investigation was made to determine the existing condition of the structure. All information, data and analysis contained within this report is based on the 1997 Uniform Building Code.

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

DESCRIPTION:

Type of Facility:	Residence.
Year Built:	Estimated 1970's vintage.
Occupancy:	Residential.
No. of Stories:	One.
Dimensions:	Approximately 2500 square feet with a first story plate height of 8 feet.

CONSTRUCTION:

Roof:
The roof covering will consist of Bartile Light Weight Concrete Tile over 1/2" solid sheathing. The living area is conventionally framed with 2x6 rafters spaced at 24" on center with 2x6 purlins supported at no more than 9'-0" on center by 2x4 struts bearing on walls below except for the vaulted ceiling area. The vaulted ceiling is constructed of 2x6 rafters spaced at 24" on center supported at the ridge by a 6x beam. 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 living area lacks sufficient structural capacity for the applied live and dead loads. The garage has sufficient structural capacity for the applied live and dead loads.

See struct work - Skt. 5
1/5
Matt P. 8/17/99

SANBORN



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

TEL: 916.961.3960
FAX: 916.961.3960

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.

Living Area:

1. Add three 2x6 DF#2 purlins where the span of the existing rafters is greater than 11'-9". Provide 2x4 struts from the purlins to the bearing walls below. The maximum spacing between the struts shall not exceed 6'-0" on center. The unbraced length of the struts shall not exceed 8'-0" and the minimum slope of the struts shall not be less than 45 degrees from the horizontal. See detail 1.

It shall be noted that small hairline cracking may occur at exterior stucco and interior gypsum board finished walls which 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.

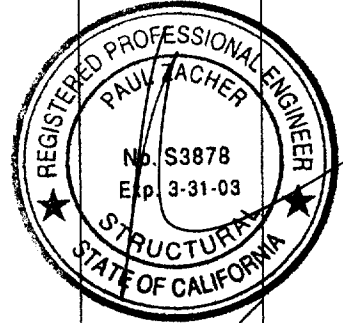
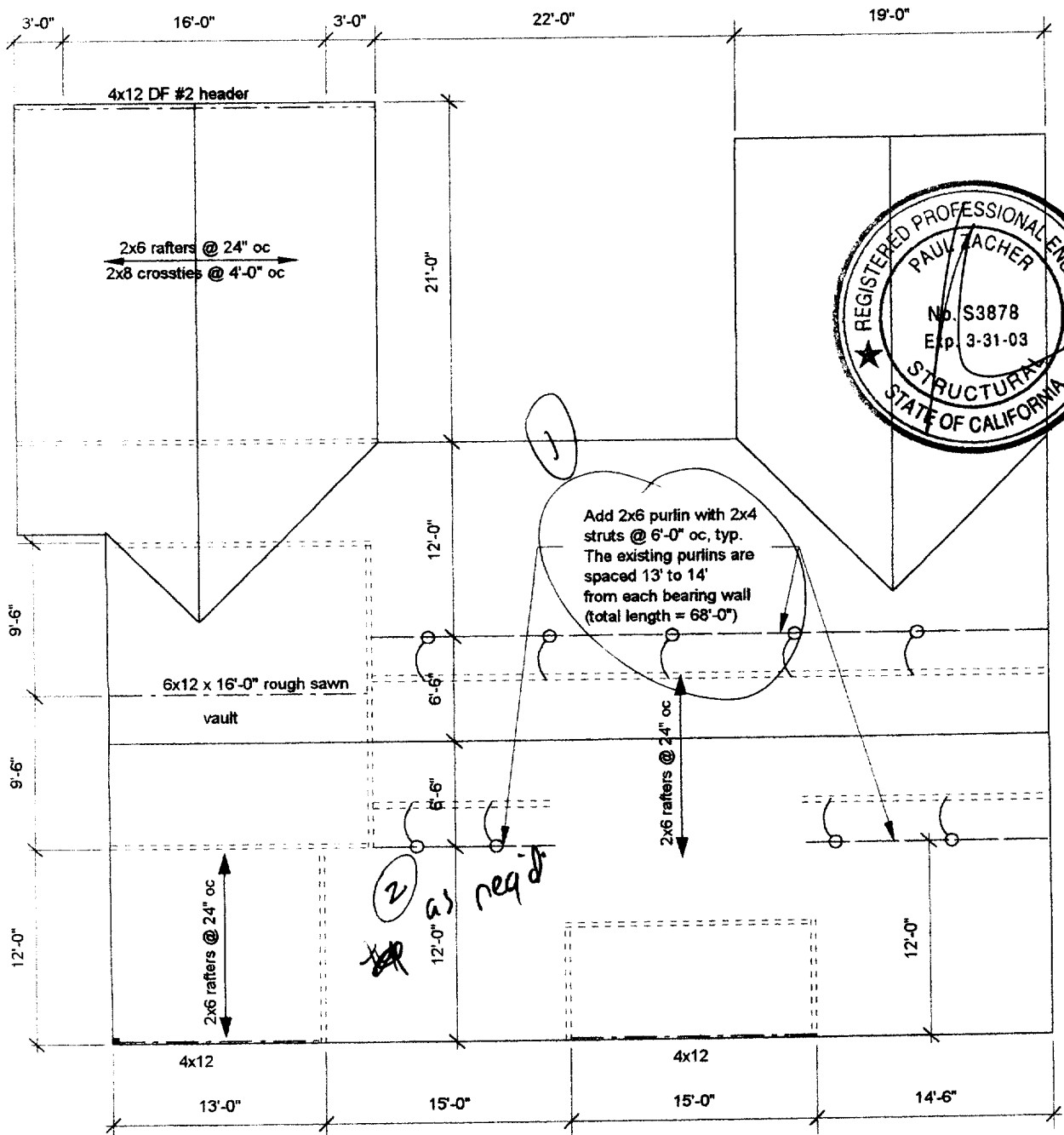
The inspection consisted of visual observation only, made solely to determine the structural capacity of the existing roof. Analysis does not determine any effects on the overall structure under lateral forces or effects on the foundation unless specifically noted in the calculations and in this document. 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 which 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.

file



Scope of struct. work ① Add 3 purlins
 ② Add struts, all roof, for 6' high spacing!

Notes:

1. This is a reroof project. The new roofing material shall be a Bartile Light Weight Concrete Tile.
2. All rafters are 2x6 DF#2 and hips and valleys are 2x8 DF#2 unless otherwise noted.
3. All existing rafter, hips, valleys, rafter ties, and purlins are braced per UBC Section 2326.12 "Roof and Ceiling Framing" unless otherwise shown.



ROOF PLAN - SANBORN

Not to Scale

5



Sanborn

Paul Zacher - Structural Engi
4701 Lakeside Way
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TEL: (916) 961-3960
FAX: (916) 961-3960

September 20, 1999

SAC. CITY
INSPECTOR

Yancey Brothers Roofing
8250 Alpine Ave, Suite A
Sacramento, CA 95826

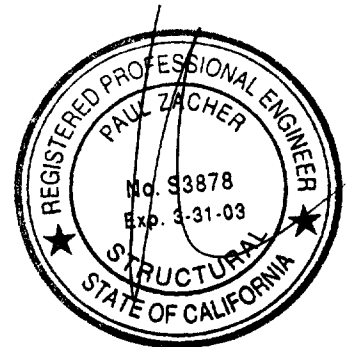
TEL: 916) 457-5113
FAX: (916) 457-5427

Attn.: Doug Homer

re: Job 99147: Sanborn residence located at 46 Yuba River Court, Sacramento, CA

subject: Purlin and strut bracing

The 3-ply 2x6 purlin only needs to be a single 2x6 purlin. The report was misinterpreted to mean that 3-ply purlins were to be installed when in actuality, a single 2x6 purlin was to be installed but in three different locations. Therefore, the 16d @ 12" oc staggered connection is more the adequate to attach the 3-ply purlin system together. The 1" x 1 1/2" bearing at each purlin/ strut connection is adequate to transfer the applied dead and live loads. In addition, the angle of the 2x4 strut shall be as called for in the report which is a direct quote from 1997 UBC Section 2320.12.7 "Purlins" (i.e. the strut may be installed anywhere from a vertical position down to an angle of 45 degrees from the horizontal).



If you have any questions on the above, do not hesitate to call.

Sincerely,


Paul Zacher, P.E., S.E.