

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0414085

Insp Area: 4

Thos Bros: 277E5

Site Address: 23 BEECHAM CT SAC

Parcel No: 262-0290-008

Sub-Type: RES

Housing (Y/N): N

CONTRACTOR

VALLEY CONSTRUCTION
PO BOX 1164
FAIR OAKS, CA 95628

OWNER

MARTIN FRANCISCO A & SUSANN
23 BEECHAM CT
SACRAMENTO CA 95833

ARCHITECT

Nature of Work: T/O RESHEET 2 STRY, 24 SQS W/ STANDARD WGHT TILE, RPLACE FACIA GUTTRS

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 674523 Date 8/27/04 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 8/27/04 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 herby 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 STATE FUND Policy Number 229-0022752 Exp Date 01/01/2005

(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 8/27/04 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.

∞ Infinity Engineering, L.P. ∞

2150 Bell Ave., Suite 145 • Sacramento, CA 95838 • (916) 646-1760 • Fax: (916) 646-1760

SEP 24 2004

August 27, 2004

Valley Construction

NORTH PERM
CENTER

CITY COPY

RE: Roof framing inspection for placement of Standard weight tile on the existing residence at 23 Beechum Ct., Sacramento, CA. This Inspection and report is Our Job#04-292.

As requested, on August 27, 2004, I performed a visual inspection of the existing roof framing at the aforementioned residence. The purpose of the inspection was to determine if the existing roof framing was structurally acceptable for the placement of a standard weight tile (9.5 psf maximum installed weight) to replace the existing wood shake.

The existing residence is a 2 story dwelling with the standard living areas and an attached garage.

The existing roof framing was in good condition and consisted of Wood shake over felt over 1x skip sheathing over pre-fabricated trusses spaced at 24" c.c.. The existing top chords on the trusses were 2x4 #2 DF. The maximum span of the truss top chords was 7'-6".

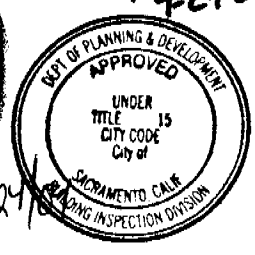
Attachment 1 is a sketch of the roof plan and shows the approximate dimensions of the exterior walls of the house. Attachment 2 contains the calculations regarding the dead load to the top chord of the trusses and the maximum allowable span of the existing 2x4 top chords.

It is my understanding that during the re-roof process, the existing shake and felt will be removed, then a layer of 7/16" or 15/32" APA rated, 24/16, sheathing will be placed over the 1x skip sheathing, then 30# felt will be placed and then the standard weight tile (9.5 psf maximum installed weight) will be placed per the manufactures instructions.

Based on my inspection and the calculations attached, it is my professional opinion that removing the wood shake and placing a standard weight tile (9.5 psf maximum installed weight), as described above, is structurally acceptable on this residence.

If you have any questions or need further clarification on these matters please feel free to contact me at (916) 646-1760.

Sincerely,



VERIFY MAX 9.5 PSF FOR TILE

VERIFY #2DF ALL TRUSS

site VERIFY & MAX SPAN. 7'6" HORIZ

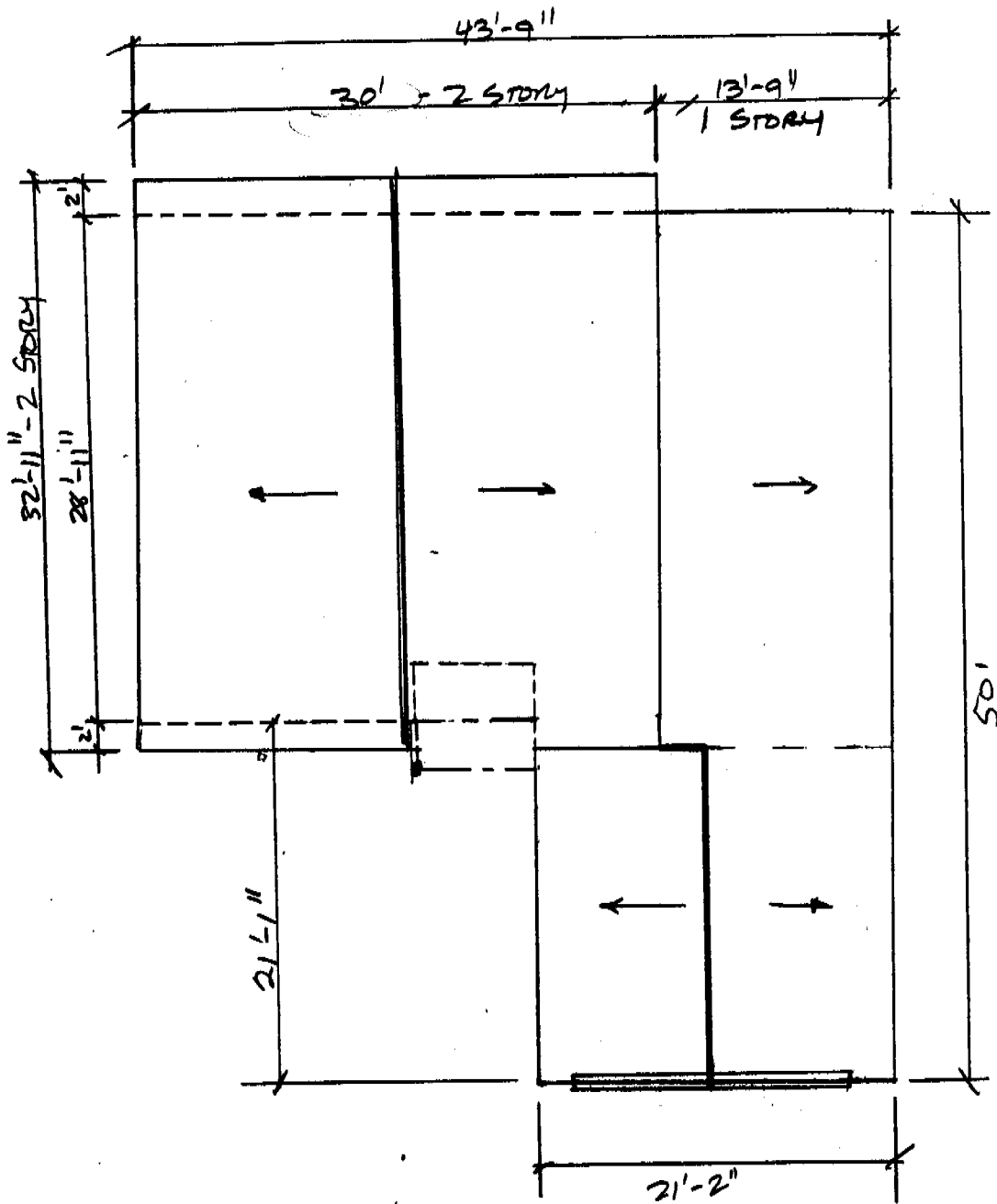
This set of plans and specifications must be kept on the job at all times and it is unlawful to make any changes or alterations from the same without written permission from the Building Inspection Division.

The approval of this plan and specification SHALL NOT be held to permit or approve the violation of any City Ordinance or State Law.

Jeffrey E. Hofmann, P.E.
President of General Partner, Hofmann Management, Inc.

DO NOT COVER UP/OUP INSPECTION

No. 987 811E
Engineer's Computation Pad



SKETCH OF ROOF PLAN
SCALE 1"=10'

EXIST ROOF:

WOOD SHAKE OVER FELT OVER 1x SKIP SHTG OVER TRUSSES @ 24" CC.

NEW ROOF:

(N) STD WEIGHT TILE OVER (N) 7/16" SHTG OVER 1x SKIP OVER TRUSSES @ 24" CC.

Infinity Engineering, L.P.
2150 Bell Ave., #145
Sacramento, CA 95838

JETH

8/27/04

Valley
23 BEECHM CT

04-292

ATTACHED
2/2DETERMINE NEW DEAD LOAD TO TRUSS TOP CHORDS1300 PSF = TOTAL DEAD LOAD

9.5 PSF = STD WT TILE (9.5)
 0.3 PSF = 30# FELT
 1.13 PSF = 7/16" SHTG
 1.25 PSF = (E) 1x SKIP SHTG
 0.65 PSF = 2x4 (TOP CHORD) @ 24" CC.
 0.2 PSF = MISC

1. WT. OF NEW ROOF CONFIGURATION IS SLIGHTLY
 HIGHER THAN THE MOST LIKELY DESIGN WT.

CHECK MAX SPAN OF (E) 2x4 TRUSS TOP CHORD

NOTE: HOUSE BUILT PRIOR TO 1994 UBC THUS OLDER
 WOOD ALLOWABLE STRESSES APPLICABLE,

#2DF → $F_v = 95 \text{ PSI}$ $f_b = 1450 \text{ PSI (RCP)}$ $E = 1.7 \times 10^6 \text{ PSI}$
 2x4 → $A = 5.25 \text{ IN}^2$ $S_x = 3.06 \text{ IN}^3$ $F = 5.36 \text{ IN}^4$

ACTUAL MAX SPAN OF TOP CHORD = 7'-0" "

 $W_R = 2(16 + 13 \text{ PSF}) = 58 \text{ PLF}$

SHEAR $V_{ALL} = \frac{5.25 \text{ IN}^2 (95) (1.25)}{1.5} = 416 \#$

$$L_{MAX} = \frac{2(416)}{58} = 14'-4" = L_{MAX(SHR)}$$

BENDING $M_{ALL} = \frac{3.06 \text{ IN}^3 (1450 \text{ PSI}) (1.25)}{12} = 462 \text{ FT-LB}$

$$L_{MAX} = \sqrt{\frac{8(462)}{58}} = 9'-0" = L_{MAX(BEND)}$$

DEFLECTION: $\Delta_{ALL R} = \frac{L}{180}$ $\Delta_{ALL L} = \frac{L}{240}$ (NO CEILING ATTACHED)

(TOTAL LOAD CONTROL)

$$\Delta_{ALL} = \frac{L(12)}{180} = \frac{5(58)(L)^4 (1728)}{384 (1.7 \times 10^6) (5.36)}$$

$$L_{MAX} = \sqrt[3]{\frac{12(384)(1.7 \times 10^6)(5.36)}{180(5)(58)(1728)}} = 7.75' = L_{MAX DEF}$$

1. ALLOWABLE MAX SPAN OF 7'-9" EXCEEDS THE
 ACTUAL SPAN OF 7'-0" - 1/2 (2) TRUSSES ARE OK