

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0511598

Insp Area: 4

Thos Bros: 257G7

Site Address: 109 COPPER LEAF WY SAC

Parcel No: 226-0360-016

Sub-Type: RES

Housing (Y/N): N

CONTRACTOR
B Z ROOFING
173 ROWLAND CT
GALT CA 95632

OWNER
RUEDAS MANUEL FLORENCIO/SAN
109 COPPER LEAF WY
SACRAMENTO, CA 95838

ARCHITECT

Nature of Work: T/O, RESHEET, TEROOF 30SQ LW 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 C39 License Number 806642 Date 8/3/05 Contractor Signature [Signature]

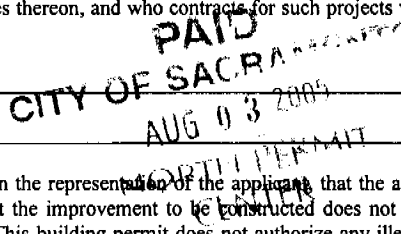
OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior 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.

Date 8/3/05 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.

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 713-001438 Exp Date 05/01/2006

(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 8/3/05 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.

0511598

109 COPPERLEAF WY

∞ Infinity Engineering, L.P. ∞

9198 Greenback Lane, Suite 200 • Orangevale, CA 95662 • (916) 987-0839 • Fax: (916) 987-7669



August 1, 2005

Jorge Vasquez
Valley Construction

Jim R
8-3-05

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

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



RE: Secondary inspection for placement of Light Weight Tile (6 psf - max) on the existing roof framing at Ruedaz Residence, 109 Copperleaf Way, Sacramento, CA. This Inspection and report is Job#05-360.1. - *VERIFY STRUCTURAL VALUES OF NEW RAFTERS*

- *site verify max 6 psf tile total wt*
- *see recommendations for new details of structural members.*

Dear Mr. Vasquez:

Purpose of Inspection: *DO NOT COVER WITHOUT INSPECTIONS*

On August 1, 2005, I performed a second visual inspection of the existing roof framing at the aforementioned residence. The purpose of the inspection was to determine the size and spacing of the rafters at the vaulted ceiling.

MICROFILM AT FINAL

Observations & Comments:

There were six (6) rafters with a span of 26'-8". These rafters were 11-7/8" TJI joists at 16" c.c.. The flanges were 1-3/4" wide by 1-1/2" deep. Based on this information, the joists were 11-7/8" TJI 25 joists. These are equivalent to the 11-7/8" TJI 110 joists currently being manufactured. These joists were checked and are not acceptable for use with a light weight tile for a 26'-8" span.

ISSUED
AUG 03 2005

Recommendations:

For the six (6) rafters to span the 26'-8" span, a 1-3/4" x 11-7/8" 1.7E Timberstrand or 1.8E Microlam must be added in the 5 bays between the rafters. They should be attached to the ridge with a Simpson LSSU125 Hanger. They should be cut to match the shape of the TJI rafters, and should bear a minimum on the 1-3/4" on the wall at the bottom. Please see the attached sketch of the roof plan showing the location where the rafters need to be reinforced. Also attached are a couple of details for the attachment of the new rafter to the existing ridge and wall.

NORTH PERMIT CENTER

Conclusion:

Assuming that the aforementioned recommendations are completed, it is my professional opinion that the placement of a light weight tile (6.0 psf max. installed weight) and 7/16" (min) sheathing, over the 1x skip sheathing and framing is structurally acceptable.

Please note that even if the recommendations above are followed, additional settlement of the roof framing and cosmetic cracking in the ceiling areas, especially in the vaulted ceiling areas,

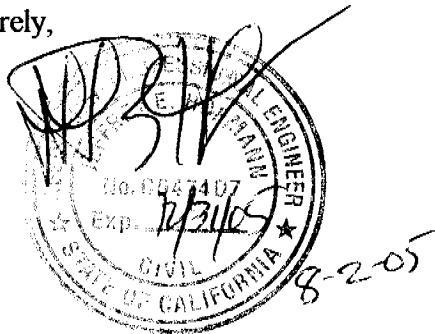
CITY COPY

Valley Construction
Page 2
August 2, 2005

may occur due to the work being performed on the roof and the additional weight of the new tile roof covering. It is the owners responsibility to determine if the possibility of these occurring is acceptable to them.

If you have any questions or need further clarification on these matters please feel free to contact me at (916) 987-0839.

Sincerely,



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

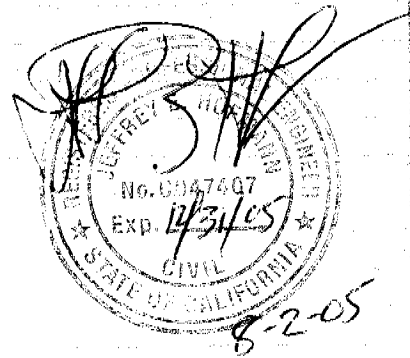
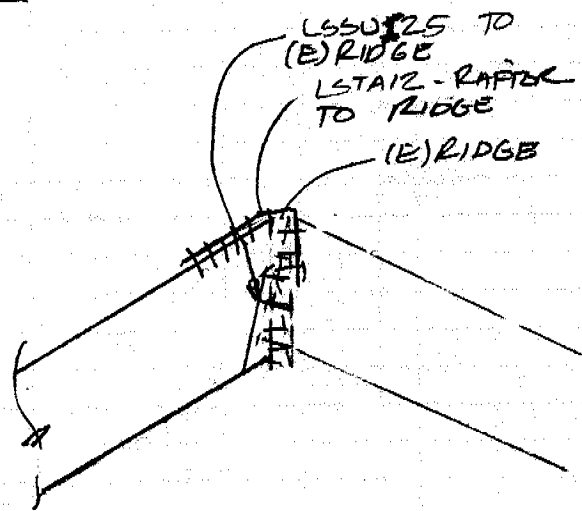
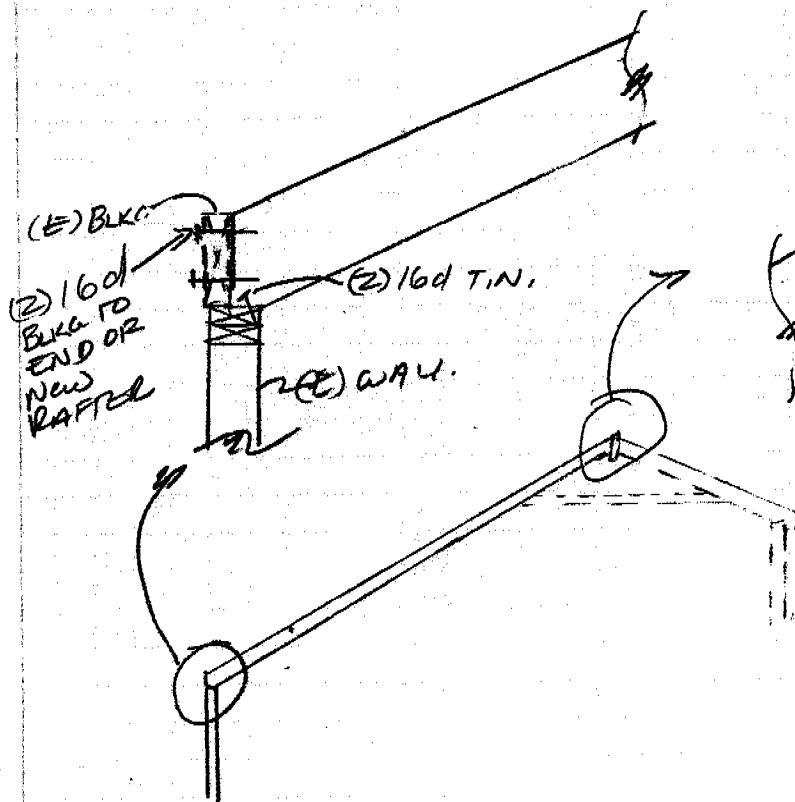
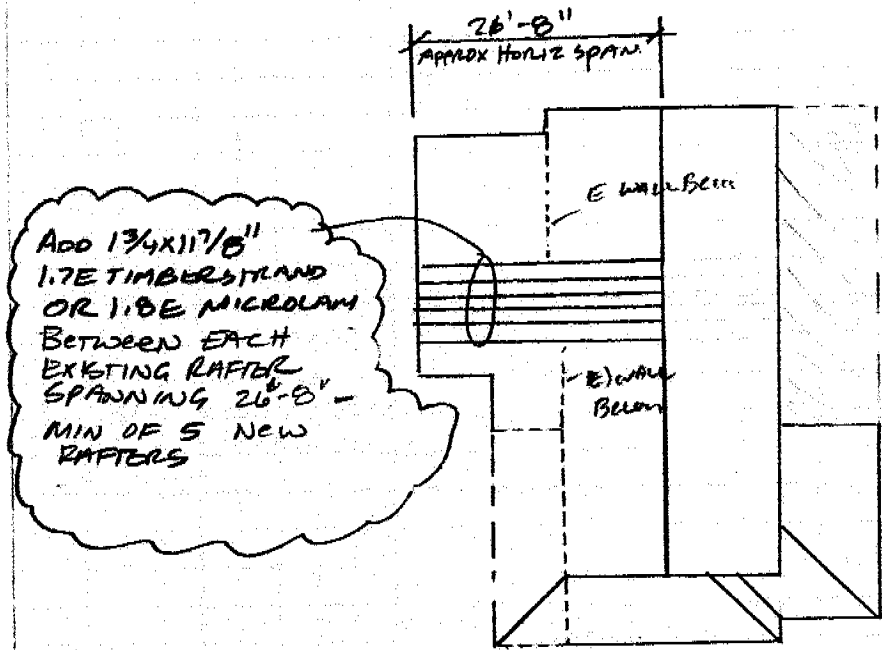
TEH

8/1/05

RUEDAZ RE-ROOF
109 COPPERLEAF WAY

05-3601

ATTACH 1/2

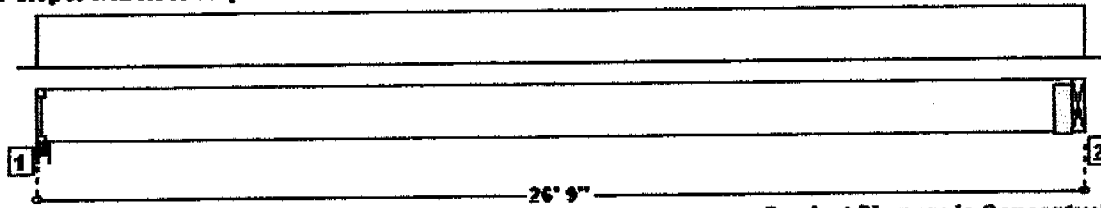


INFINITY ENGINEERING, L.P.
9198 GREENBACK LANE, #200
ORANGEVALE, CA 95662

LOC
By ITSELF

THIS PRODUCT MEETS OR EXCEEDS THE SET DESIGN CONTROLS FOR THE APPLICATION AND LOADS LISTED

Member Slope: 6:12 Roof Slope: 6:12



All dimensions are horizontal.

Product Diagram is Conceptual.

LOADS:

Analysis is for a Joist Member.

Primary Load Group - Roof (psf): 16.0 Live at 125 % duration, 15.0 Dead

SUPPORTS:

	Input Width	Bearing Length	Vertical Reactions (lbs) Live/Dead/Uplift/Total	Ply	Depth	Nailing Depth	Detail	Other
1 Stud wall	3.50"	3.50"	284 / 298 / 0 / 583	N/A	N/A	N/A	R1: Blocking	1 Ply 1 3/4" x 11 7/8" 1.7E TimberStrand® LSL
2 Glulam or solid sawn lumber beam	3.50"	Hanger	286 / 300 / 0 / 586	1	13.28"	N/A	H5: Face Mount Hanger	None

-See TJ SPECIFIER'S / BUILDERS GUIDE for detail(s): R1: Blocking, H5: Face Mount Hanger

HANGERS: Simpson Strong-Tie® Connectors

Support	Model	Slope	Skew	Reverse Flanges	Top Flange Offset	Top Flange Slope	Support Wood Species
2 Face Mount Hanger	LSSUI25	6/12	0	No	N/A	N/A	Douglas Fir

-Nailing for Support 2: Face: 9-10d, Top N/A, Member: 7-N10

-Hanger at high end requires use of LSTA 12

DESIGN CONTROLS:

	Maximum	Design	Control	Control	Location
Shear (lbs)	573	-535	6927	Passed (8%)	Rt. end Span 1 under Roof loading
Vertical Reaction (lbs)	573	573	573	Passed (100%)	Bearing 2 under Roof loading
Moment (Ft-Lbs)	3763	3763	11596	Passed (32%)	MID Span 1 under Roof loading
Live Load Defl (in)		0.698	0.978	Passed (L/504)	MID Span 1 under Roof loading
Total Load Defl (in)		1.430	1.467	Passed (L/246)	MID Span 1 under Roof loading

-Deflection Criteria: Specified(LL:L/360, TL:L/240).

-Allowable moment was increased for repetitive member usage.

-Bracing(Lu): All compression edges (top and bottom) must be braced at 7' 4" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

-Design assumes adequate continuous lateral support of the compression edge.

PROJECT INFORMATION:

Ruedaz Re-Roof
109 Copperleaf Way
Sacramento, CA

OPERATOR INFORMATION:

Jeffrey Hofmann
Infinity Engineering, L.P.
9198 Greenback Lane, # 200
Orangevale, CA 95662
Phone: (916) 987-0839