

**CITY OF SACRAMENTO**

1231 I Street, Sacramento, CA 95814

Permit No: 0401682

Insp Area: 3

Thos Bros: 297J7

Site Address: 5350 S ST SAC

Parcel No: 011-0064-007

Sub-Type: ASFR

Housing (Y/N): N

CONTRACTOR

OWNER

ARCHITECT

MICHAEL & CARLA HEFLIN  
5350 S ST  
SACRAMENTO, CA 95819

Nature of Work: 2-STRY 400 SQ FT ADDN TO 2-STRY RES, GAS FP ADDN AT LVNG, RELOCATE UTILITY RM

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 the 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 providing proof that he or 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 3/22/14 Owner Signature MKS JB

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 3/22/14 Applicant/Agent Signature MKS JB

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

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 3/22/14 Applicant Signature MKS JB

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.

Structural Calculations of Floor Beams

*Revision to*

Design Code: UBC 1997, CBC 2001

*04-01682-*

Material Specs:

Timber: 19% (typ.)  
 Moisture content: DF#2, uno  
 Joists: Microllam, per NER-481, ICBO ESI-4979, nuo  
 Beams: Simpson ST, or Equal  
 Connectors:

*5350 'S' ST  
 Area 3*

Building Component Loads:

Floors: DL: Total: 10 psf  
 LL: Per Code: 40 psf  
 Total: 50 psf

Floor Framing:

Beam Capacity:

Beam	A [in <sup>2</sup> ]	S [in <sup>3</sup> ]	I [in <sup>4</sup> ]	Fb [psi]	Fv [psi]	M capacity [ft-#]	V capacity [#]
4x6 DF#2	19.25	17.65	48.53	1137	95	1672	1219
4x8 DF#2	25.38	30.66	111.15	1050	95	2683	1607

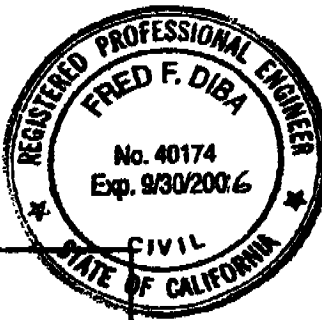
- a. Above capacities can be increased by 15% due to Snow or 25% non-snow Roof LL
- b. M capacity = Fb x S / 12
- c. V capacity = Fv x A / 1.5

Beams:

Beam No.	Span	w [#Ft], &/or P [#]	M [#Ft]	R [#]	USE	Deflection
A	5.5'	w=50(17.5/2) = 437	1650	1200	(E) 4x8 OK	0.05"=L/1300
B	11.5'	w=50x(8 1/2) = 200 P = 1200	6756	1750	5 1/2"x7 1/2" LVL	0.45"=L/300

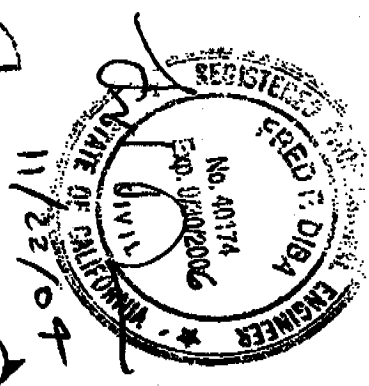
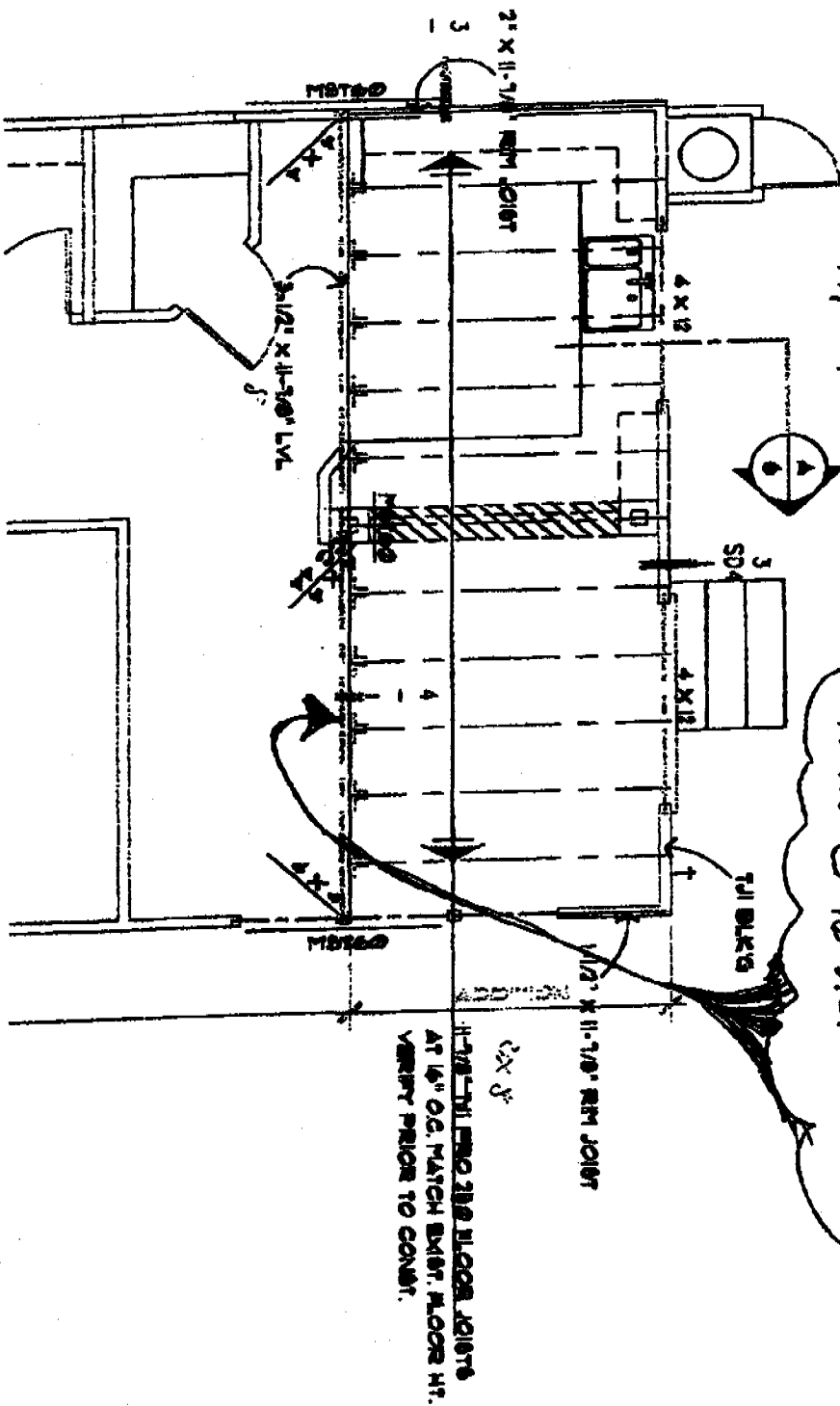
- a.  $M = w L^2 / 8$
- b.  $R = w L / 2$
- c. Deflection =  $22.5 w L^4 / E I$
- d. Limit for Deflection = L/240

- or, for point load  $M = PL / 4$
- or, for point load  $R = P / 2$
- or, for point load  $D = P L^3 / 48 E I$



O.T.C. REVIEW  
 X *SP* 11/04/04  
 THESE PLANS SUBJECT TO FIELD APPROVALS

*Provide - wet signed calc's & drawings w/in 7 days*

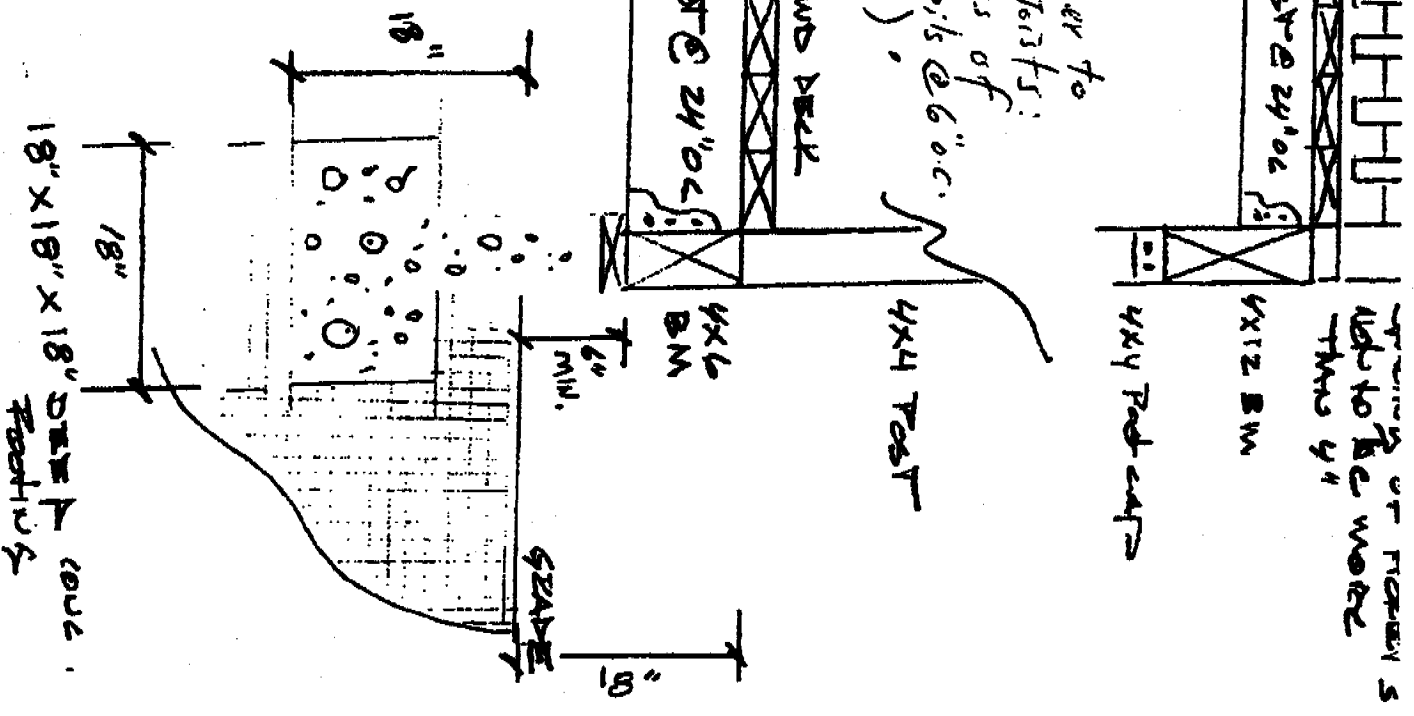
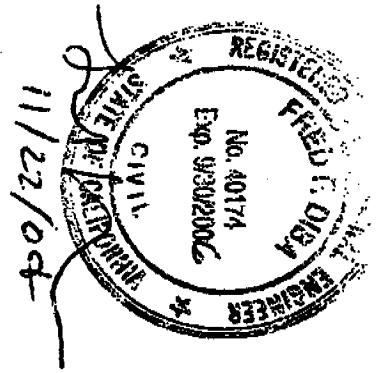
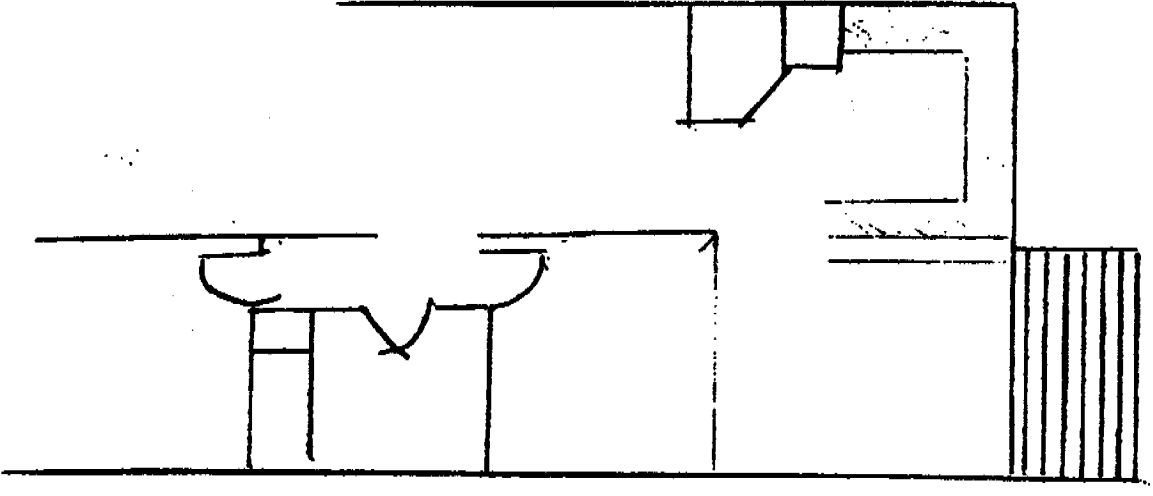


Add 1 3/4" x 7 1/4" LVL to side of (6) 3 1/2" x 7 1/4" LVL. by use of 2-rows of 16d Nails @ 16" o.c.

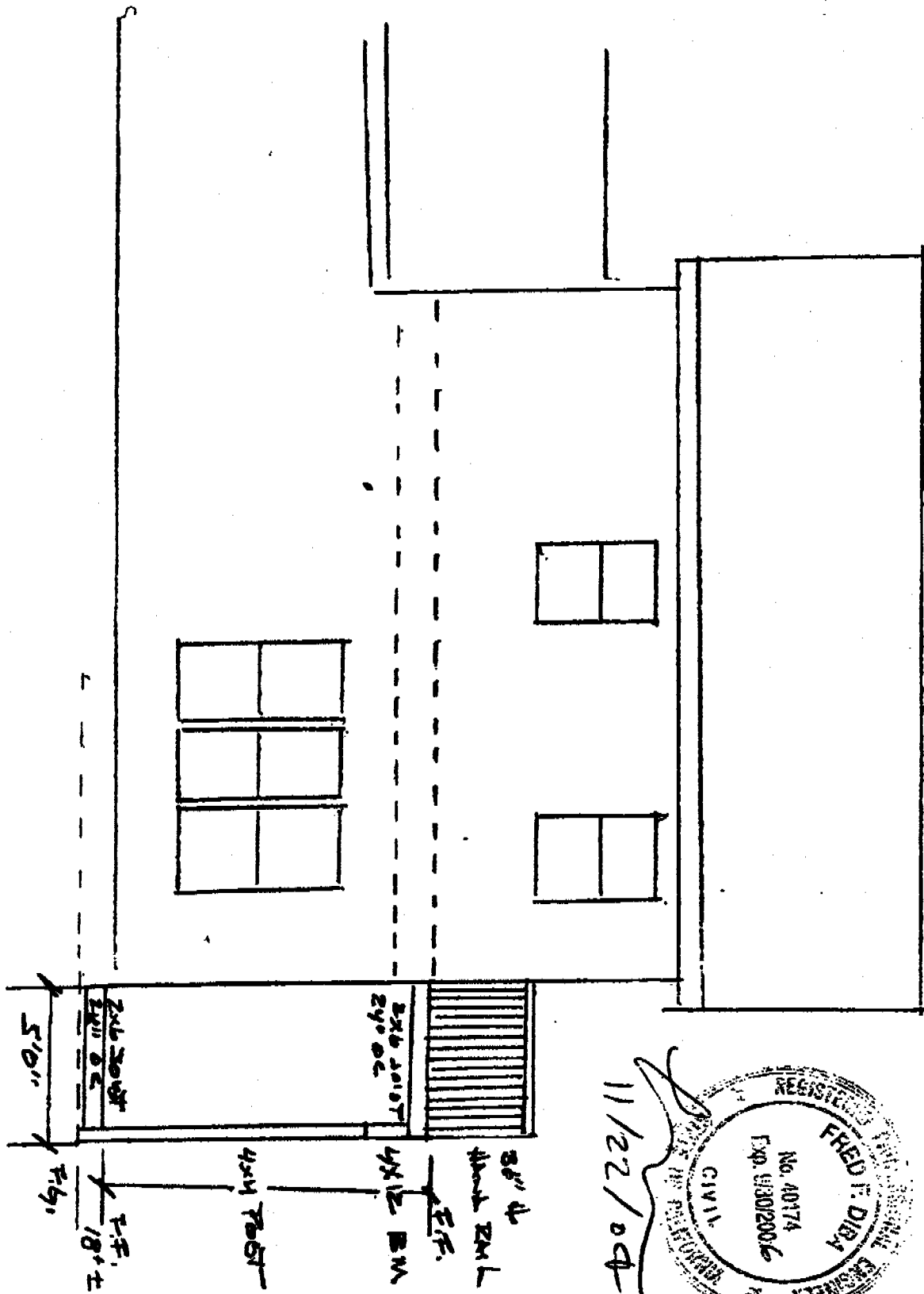
Nov 22 04 09:59a Fred Diba  
 Nov 22 04 09:38a Michael J.  
 Oct 07 04 07:49a Fred Diba

(916) 985-4335  
 916-451-8971  
 (916) 985-4335

P.4  
 P.4  
 P.3

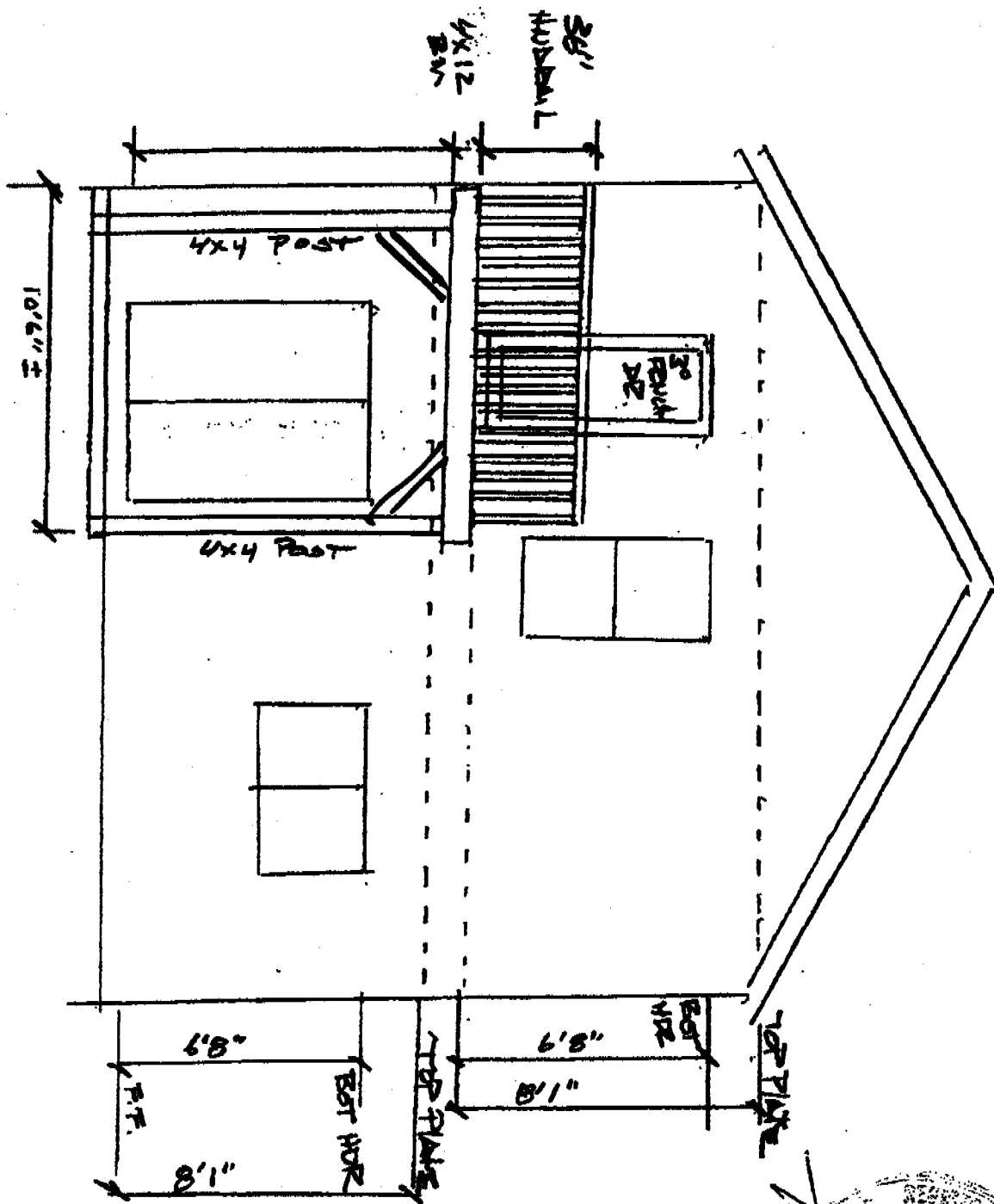


Nov 22 04 09:59a Fred Diba (916) 985-4335  
 Nov 22 04 10:07a Michael J. 916-451-8971  
 P.1 P.1



11/22/04

REGISTERED PROFESSIONAL ENGINEER  
 FRED J. DIBA  
 No. A0174  
 Exp. 03/02/2006  
 CIVIL ENGINEER



11/22/04

FRED I. DIBA  
 No. 40174  
 Exp. 03/02/2006  
 CIVIL ENGINEER  
 STATE OF CALIFORNIA