

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 9902214

Insp Area: 1

Site Address: 59 GLENVILLE CR SAC

Parcel No: 078-0065-016

Sub-Type: ASFR

Housing (Y/N): N

CONTRACTOR

WES ARNOLD
4850 ARDEN WAY
SAC CA

95608

OWNER

JASKE MICHAEL R & MARSHA A
59 GLENVILLE CR
SACRAMENTO CA

95826

ARCHITECT

Nature of Work: INT REMODEL.(REMOVE STRUCTURAL WALL)

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 B License Number 332556 Date 3/10/99 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 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.

X 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 FARM Policy Number 0759130 Exp Date 06-1-99

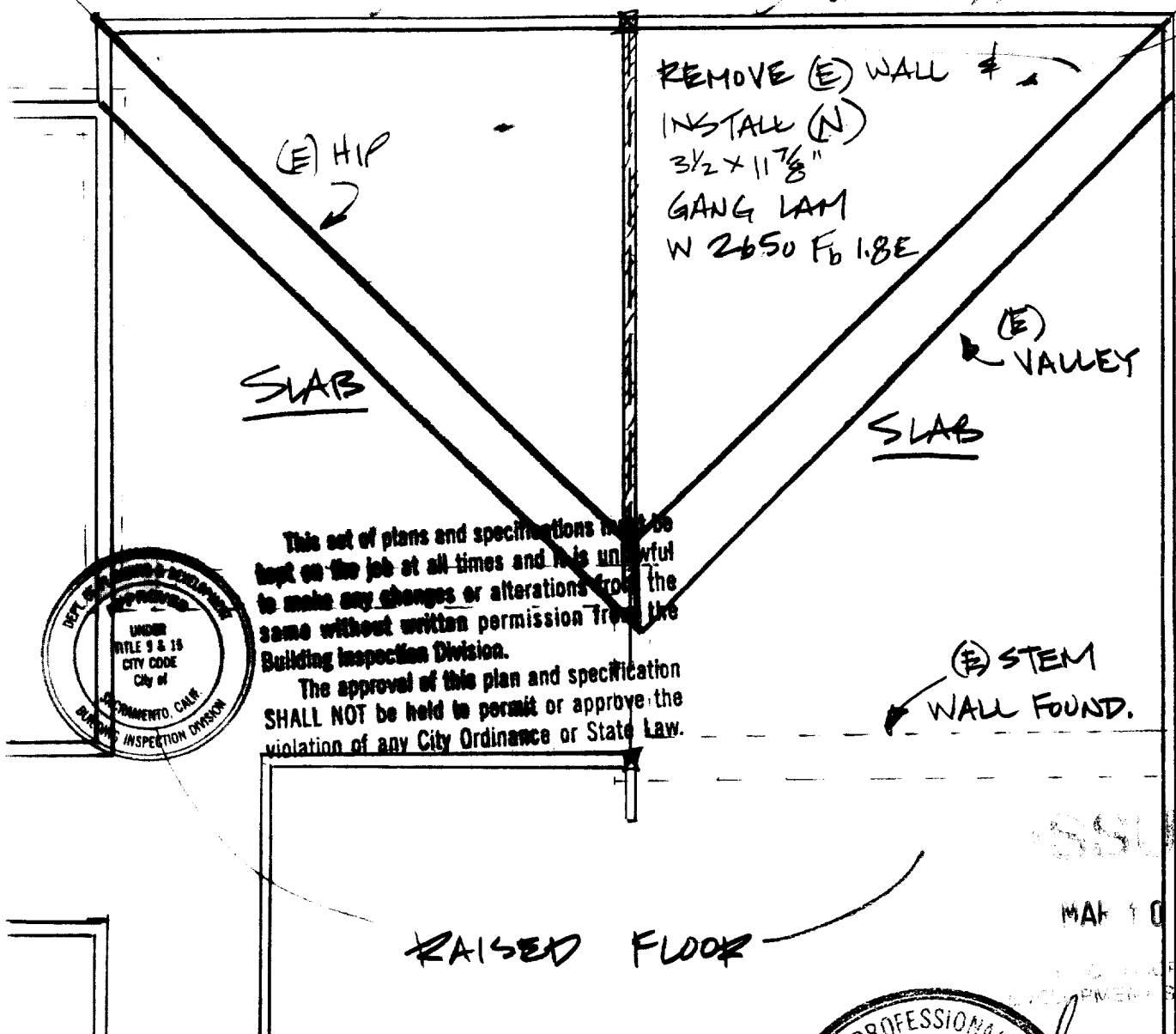
(This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date Applicant Signature

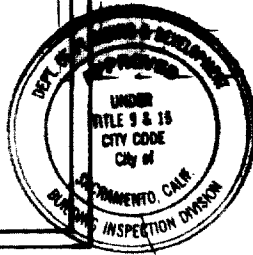
WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.

EXISTING family room (N) 4x4 POST EACH END
& living room - make one room



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.

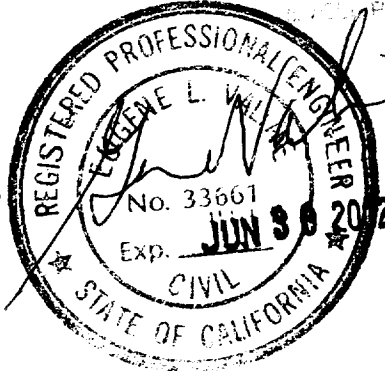


(E) STEM WALL FOUND.

RAISED FLOOR

MAY 10 1999

Service contract # 3/0100



1/4

Roof $U = 16$ PSF
 Ceiling $U = 10$ PSF
 Roof/Ceil $DL = 10$ PSF

$$W = 13(26) = 338 \text{ PLF} \quad L = 18'$$

$$M = \frac{wl^2}{8} = \frac{338(18)^2}{8} = 13689 \# \cdot 1$$

$$V = 338 \left(\frac{18}{2} \right)^{3/2} = 4563$$

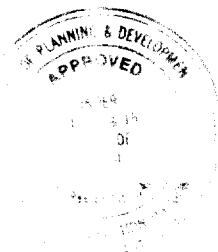
Use $3\frac{1}{2} \times 11\frac{7}{8}$ " GLANGLAM

$$M_{\max} = 18,192 \# \cdot 1 \text{ OK} \quad V_{\max} = 8095 \# \text{ OK}$$

$$\Delta = \frac{5wl^4}{384EI} = \frac{5(338)18^4(1728)}{384(1.8 \times 10^6)488} = .909" \approx \frac{L}{238} \text{ OK.}$$

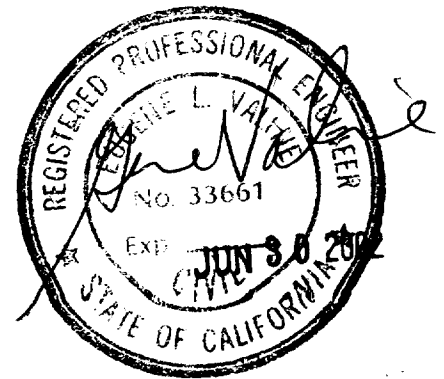
$$R = 338(9) = 3042 \#$$

Use 3 linear ft of (E) foundation wall for footing O.K.



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MAR 11 1999

OF DEVE

GANG-LAM W 2650 Fb 1.8E DESIGN SPECIFICATIONS

GANG-LAM W 2650 Fb 1.8E				ALLOWABLE STRESSES (PSI) FOR BEAMS		
GRADE	BENDING Fb	MOE (X 10 ⁶)	TENSION Ft	COMPRESSION PARALLEL TO GRAIN Fc	COMPRESSION PERPENDICULAR TO GRAIN Fcp	SHEAR Fv
2650 Fb -1.8E	2650*	1.8	1900	3100	900	290

* Value is for 12" depth For other depths adjust values by (12/depth)^{1/2}. For depths less than 3.5", use the value for 3.5".

GANG-LAM W 2650 Fb 1.8E				SECTION PROPERTIES								
DEPTH (Inches)	MAXIMUM MOMENT (Ft - Lbs)			MAXIMUM SHEAR (Lbs)			MOMENT OF INERTIA (In ⁴)			WEIGHT (Lbs / Ft)		
	1-1/4	2-1/4 1-3/2	3-1/4	1-1/4	2-1/4 1-3/2	3-1/4	1-1/4	2-1/4 1-3/2	3-1/4	1-1/4	2-1/4 1-3/2	3-1/4
7 1/4	3638	7276	10914	2452	4905	7358	55	111	166	3.17	6.34	9.51
9 1/2	6010	12020	18030	3214	6428	9642	125	250	375	4.16	8.31	12.47
11 3/8	9096	18192	27289	4017	8035	12053	244	488	732	5.20	10.39	15.59
14	12349	24698	37048	4736	9473	14210	400	800	1200	6.13	12.25	18.38
16	15825	31649	47474	5413	10826	16240	597	1194	1792	7.00	14.00	21.00
18	19694	39388	59082	6090	12180	18270	850	1701	2551	7.88	15.75	23.63

Modification Factors:

Allowable stresses listed above for bending (Fb), tension (Ft), compression parallel to grain (Fc), shear (Fv), also maximum moment and maximum shear values are for normal load duration. These may be increased where allowed by code for shorter load durations.

Fastener Values:

For nails and bolts installed perpendicular to the wide face of the beam, use the code allowable values for Douglas Fir-Larch for lateral loads. For nails installed in the edge or narrow face of the beam parallel to the glue lines, use the code allowable withdrawal values for lumber having a maximum specific gravity of 0.47.

GANG-LAM W 2650 Fb 1.8E BEARING CHARTS

1 Ply 1 3/4"											
Bearing Length (in)	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2
Maximum Reaction	2362	3150	3937	4725	5512	6300	7087	7875	8662	9450	10237
Bearing Length (in)	7	7 1/2	8	8 1/2	9	9 1/2	10	10 1/2	11	11 1/2	12
Maximum Reaction	11025	11812	12600	13387	14175	14962	15750	16537	17325	18112	18900

2 Ply 1 3/4" or 1 Ply 3 1/2"											
Bearing Length (in)	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2
Maximum Reaction	4725	6300	7875	9450	11025	12600	14175	15750	17325	18900	20475
Bearing Length (in)	7	7 1/2	8	8 1/2	9	9 1/2	10	10 1/2	11	11 1/2	12
Maximum Reaction	22050	23625	25200	26775	28350	29925	31500	33075	34650	36225	37800

3 Ply 1 3/4"											
Bearing Length (in)	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2
Maximum Reaction	7087	9450	11812	14175	16537	18900	21262	23625	25987	28350	30712
Bearing Length (in)	7	7 1/2	8	8 1/2	9	9 1/2	10	10 1/2	11	11 1/2	12
Maximum Reaction	42525	44887	47250	49612	51975	54337	56700	59062	61425	63787	66150

How to use bearing charts:

1. Determine the number of plies required for the Gang-Lam beam and calculate the maximum reaction.
2. Select the appropriate table for 1, 2 or 3 plies.
3. Select a bearing length with a maximum reaction that meets or exceeds your calculated value.
4. Make sure the support is structurally adequate to carry the reaction.

Example: 2 plies 1 3/4" Gang-Lam LVL with a reaction of 9200 lb.

Solution: Select a 3" bearing length with a maximum reaction of 9450 lbs.

MAY 10 1999



DATE 3/8/99

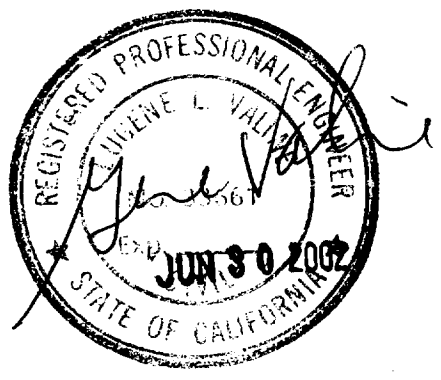
PROJECT REMNE WALL @ RESIDENCE
MIKE & MARSHA TATKE
59 GLENVILLE CIRCLE
SACRAMENTO, CA

DESIGN LOADS

ROOF LL = 16 PSF
ROOF DL = 10 PSF
WALL DL = PSF
FLOOR LL = PSF
FLOOR DL = PSF
CEILING LL = 10 PSF
CEILING DL = PSF
DECK LL = PSF
DECK DL = PSF

WIND: MPH EXP
PRESSURE PSF

SEISMIC ZONE: 4
V= W



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