

CITY OF SACRAMENTO

Permit No: 9808824

1231 I Street, Sacramento, CA 95814

Insp Area: 4

Site Address: 1128 CLAIRE AV SAC

Sub-Type: ASFR

Parcel No: 2260140011

Housing (Y/N):

CONTRACTOR

GLENN W PRIVETT
529 SANTA ANA AVE
SACRAMENTO CA

95838

OWNER

PRIVETT GLENN W SR/ JUDITH
529 SANTA ANA AVE
SACRAMENTO CA

95838

ARCHITECT

Nature of Work: RAISE BUILDING INSTALL NEW FOUNDATION- INSTALL HVAC, RE-PLUMB, RE-WIRE, ELEC SERVICE UPGRADE

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 3 License Number 410174 Date 9-9-98 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 9-9-98 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 1218498
7-1-99

____ (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 9-9-98 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.

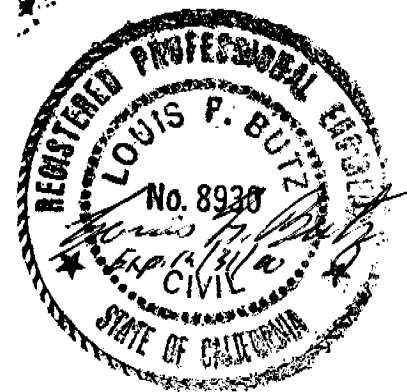
THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.

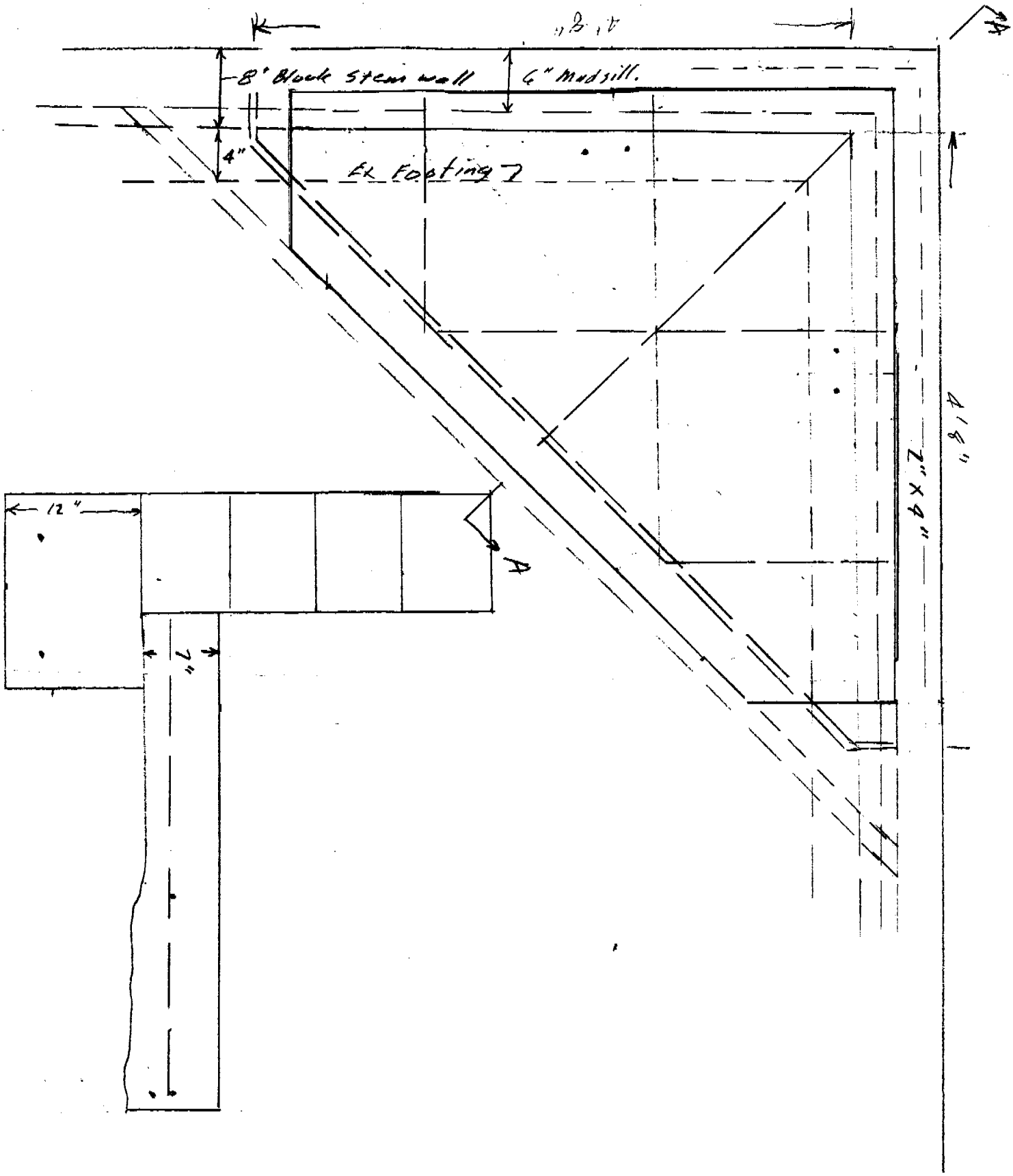
LOUIS F. BUTZ
Civil Engineer
1650 SILICA AVENUE, SACRAMENTO CA, 95815
(916) 644-0177 Fax (916) 644-2065

Feb. 2000

Fireplace Base For Addition 1128 CLAIR

Base is at corner inside 8" block stem wall on
12" footing. Rebar is doveled into block and extends
for a span of 6.5' at outer edge. It assumed that
the outer 1' Acts as a beam which only carries the
hearth (assumed at 200#/ft.). Other steel in slab
is #4 on 18" CC. With this configuration base
should easily carry the fireplace loads.





SECTION A-A

Concrete Rectangular & Tee Beam Design

Description Beam @ Slab edge

General Information

Calculations are designed to ACI 318-95 and 1997 UBC Requirements

Span	6.50 ft	f _c	2,500 psi
Depth	7.000 in	F _y	40,000 psi
Width	12.000 in	Concrete Wt.	145.0 pcf
		Seismic Zone	3
		End Fixity	Fixed-Fixed
		Live Load not acting with Short Term	

Beam Weight Added Internally

Reinforcing

Rebar @ Center of Beam...				Rebar @ Left End of Beam...				Rebar @ Right End of Beam...			
Count	Size	'd' from Top		Count	Size	'd' from Top		Count	Size	'd' from Top	
#1	1	4	5.00in	#1	1	4	3.00 in	#1	1	4	3.00 in

Uniform Loads

#1	Dead Load	Live Load	Short Term	Start	End
#1	0.100 k	0.100 k	k	0.000 ft	6.500 ft

Summary

Beam Design OK

Span = 6.50ft, Width= 12.00in Depth = 7.00in							
Maximum Moment : Mu	-1.51 k-ft	Maximum Deflection	-0.0023 in				
Allowable Moment : Mn*phi	2.28 k-ft						
Maximum Shear : Vu	1.26 k	Max Reaction @ Left	0.92 k				
Allowable Shear : Vn*phi	5.10 k	Max Reaction @ Right	0.92 k				
Shear Stirrups...							
Stirrup Area @ Section	0.440 in ²						
Region	0.000	1.093	2.167	3.250	4.333	5.417	6.500 ft
Max. Spacing	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd	Not Req'd in
Max Vu	1.259	0.936	0.468	0.457	0.457	0.925	1.248 k

Bending & Shear Force Summary

Bending...	Mn*Phi	Mu, Eq. 9-1	Mu, Eq. 9-2	Mu, Eq. 9-3
@ Center	2.88 k-ft	0.75 k-ft	0.45 k-ft	0.29 k-ft
@ Left End	2.28 k-ft	-1.51 k-ft	-0.91 k-ft	-0.58 k-ft
@ Right End	2.28 k-ft	-1.51 k-ft	-0.91 k-ft	-0.58 k-ft
Shear...	Vn*Phi	Vu, Eq. 9-1	Vu, Eq. 9-2	Vu, Eq. 9-3
@ Left End	5.10 k	1.26 k	0.76 k	0.49 k
@ Right End	5.10 k	1.25 k	0.75 k	0.48 k

Deflection

Deflections...	Upward		Downward	
	in	at	in	at
DL + [Bm Wt]	0.0000	at	0.0000	ft
DL + LL + [Bm Wt]	0.0000	at	0.0000	ft
DL + LL + ST + [Bm Wt]	0.0000	at	0.0000	ft
			-0.0015	in
			-0.0023	in
			-0.0015	in

Reactions...	@ Left		@ Right	
	k		k	
DL + [Bm Wt]	0.600	k	0.600	k
DL + LL + [Bm Wt]	0.925	k	0.925	k
DL + LL + ST + [Bm Wt]	0.600	k	0.600	k

Description Beam @ Slab edge

Section Analysis

Evaluate Moment Capacity...	Center	Left End	Right End
X : Neutral Axis	0.365 in	0.365 in	0.365 in
a = beta * Xneutral	0.310 in	0.310 in	0.310 in
Compression in Concrete	7.911 k	7.911 k	7.911 k
Sum [Steel comp. forces]	0.000 k	0.000 k	0.000 k
Tension in Reinforcing	-8.000 k	-8.000 k	-8.000 k
Find Max As for Ductile Failure...			
X-Balanced	3.425 in	2.740 in	2.740 in
Xmax = Xbal * 0.75	2.569 in	2.055 in	2.055 in
a-max = beta * Xbal	2.911 in	2.329 in	2.329 in
Compression in Concrete	55.681 k	44.545 k	44.545 k
Sum [Steel Comp Forces]	0.000 k	0.000 k	0.000 k
Total Compressive Force	55.681 k	44.545 k	44.545 k
AS Max = Tot Force / Fy	1.392 in ²	1.114 in ²	1.114 in ²
Actual Tension As	0.200 OK	0.200 OK	0.200 OK

Additional Deflection Calcs

Neutral Axis	1.145 in	Mcr	3.06 k-ft
Igross	343.00 in ⁴	Ms:Max DL + LL	1.00 k-ft
Icracked	36.25 in ⁴	R1 = (Ms:DL+LL)/Mcr	3.056
Elastic Modulus	2,850.0 ksi	Ms:Max DL+LL+ST	0.65 k-ft
Fr = 7.5 * fc ^{0.5}	375.000 psi	R2 = (Ms:DL+LL+ST)/Mcr	4.712
Z:Cracking	0.000 ksi	I:eff... Ms(DL+LL)	343.000 in ⁴
		I:eff... Ms(DL+LL+ST)	343.000 in ⁴
Eff. Flange Width	12.00 in		

ACI Factors (per ACI, applied internally to entered loads)

ACI 9-1 & 9-2 DL	1.400	ACI 9-2 Group Factor	0.750	UBC 1921.2.7 "1.4" Factor	1.400
ACI 9-1 & 9-2 LL	1.700	ACI 9-3 Dead Load Factor	0.900	UBC 1921.2.7 "0.9" Factor	0.900
ACI 9-1 & 9-2 ST	1.700	ACI 9-3 Short Term Factor	1.300		
....seismic = ST * :	1.100				