

CITY OF SACRAMENTO

New City Hall, 915 I St., 3rd Floor, Sacramento, CA 95814

Permit No: 0605721

Insp Area: 3

Thos Bros: 317J1

Sub-Type: HSG

Housing (Y/N): Y

Site Address: 2947 57TH ST SAC

Parcel No: 011-0301-020

CONTRACTOR

CERTIFIED RESTORATION SERVICES
5360 SOUTH WATT AV
SACRAMENTO CA 95826

OWNER

FROELICH KEVIN/SARAH GREENLEA
2716 58TH ST
SACRAMENTO, CA 95817

ARCHITECT

Nature of Work: F-050006253--Raise roof to create habitable space, replace HVAC, service panel upgrade, interior repair, add additional sq footage to 2nd story, demo 61 sq ft of 1st story and reroof 25 sq.

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 835408 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 docs 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 _____

**PAID
CITY OF SACRAMENTO**

APR 26 2006

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 1768598 Exp Date 12/01/2006

____ (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 _____ 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.

0605721

P.C.C. Engineering
719 2nd Street #9
Davis Ca 95616
Tel. (530) 758-3832
Fax. (530) 231-0104

Title : Froelich Residence
Dsgnr: kk
Description : 1st Floor remodeling & 2nd floor addition

Job # WR-002

Date: 3:15PM, 7 OCT 06

Scope :

Rev: 560100
User: KW-0605578, Ver 5.6.1, 25-Oct-2002
(c)1983-2002 ENERCALC Engineering Software

General Timber Beam

Page 1
c:\ec55\william reid\froelich (wr-002).ecw:Ca

Description HDR 2 - @ PORCH

General Information Calculations are designed to 1997 NDS and 1997 UBC Requirements

Section Name	4x12	Center Span	6.00 ft	Lu	6.00 ft
Beam Width	3.500 in	Left Cantilever	ft	Lu	0.00 ft
Beam Depth	11.250 in	Right Cantilever	ft	Lu	0.00 ft
Member Type	Sawn	Douglas Fir - Larch, No.2			
Load Dur. Factor	1.330	Fb Base Allow	900.0 psi		
Beam End Fixity	Pin-Pin	Fv Allow	95.0 psi		
		Fc Allow	625.0 psi		
		E	1,600.0 ksi		

Point Loads

Dead Load	3,590.0 lbs	lbs	lbs	lbs	lbs	lbs	lbs
Live Load	lbs	lbs	lbs	lbs	lbs	lbs	lbs
...distance	1.000 ft	0.000 ft	0.000 ft	0.000 ft	0.000 ft	0.000 ft	0.000 ft

Summary Beam Design OK

Span= 6.00ft, Beam Width = 3.500in x Depth = 11.25in, Ends are Pin-Pin						
Max Stress Ratio	0.902	:	1			
Maximum Moment Allowable	3.0 k-ft			Maximum Shear * 1.5 Allowable	4.5 k	
	8.0 k-ft				5.0 k	
Max. Positive Moment	2.99 k-ft	at	1.008 ft	Shear:	@ Left	2.99 k
Max. Negative Moment	0.00 k-ft	at	0.000 ft		@ Right	0.60 k
Max @ Left Support	0.00 k-ft			Camber:	@ Left	0.000 in
Max @ Right Support	0.00 k-ft				@ Center	0.031 in
					@ Right	0.000 in
Max. M allow	7.97			Reactions...		
fb	485.49 psi	fv	113.97 psi	Left DL	2.99 k	Max 2.99 k
Fb	1,294.92 psi	Fv	126.35 psi	Right DL	0.60 k	Max 0.60 k

Deflections

Center Span...	Dead Load	Total Load	Left Cantilever...	Dead Load	Total Load
Deflection	-0.021 in	-0.021 in	Deflection	0.000 in	0.000 in
...Location	2.592 ft	2.592 ft	...Length/Defl	0.0	0.0
...Length/Defl	3,483.6	3,483.59	Right Cantilever...		
Camber (using 1.5 * D.L. Defl) ...			Deflection	0.000 in	0.000 in
@ Center	0.031 in		...Length/Defl	0.0	0.0
@ Left	0.000 in				
@ Right	0.000 in				

Stress Calcs

Bending Analysis							
CK	29.651	Le	12.355 ft	Sxx	73.828 in3	Area	39.375 in2
Cf	1.100	Rb	11.671	CI	0.983		
			Max Moment		Sxx Req'd		Allowable fb
@ Center			2.99 k-ft		27.68 in3		1,294.92 psi
@ Left Support			0.00 k-ft		0.00 in3		1,316.70 psi
@ Right Support			0.00 k-ft		0.00 in3		1,316.70 psi
Shear Analysis							
		@ Left Support		@ Right Support			
Design Shear		4.49 k		0.90 k			
Area Required		35.516 in2		7.103 in2			
Fv: Allowable		126.35 psi		126.35 psi			
Bearing @ Supports							
Max. Left Reaction		2.99 k		Bearing Length Req'd		1.368 in	
Max. Right Reaction		0.60 k		Bearing Length Req'd		0.274 in	

PAID
CITY OF SACRAMENTO
OCT 24 2006
NEW CITY HALL

P.C.C. Engineering
 719 2nd Street #9
 Davis Ca 95616
 Tel. (530) 758-3832
 Fax. (530) 231-0104

Title : Froelich Residence
 Dsgnr: kk
 Description : 1st Floor remodeling & 2nd floor addition

Job # WR-002
 Date: 3:15PM, 7 OCT 06

Scope :

Rev: 560100
 User: KW-0605578, Ver 5.6.1, 25-Oct-2002
 (c)1983-2002 ENERCALC Engineering Software

General Timber Beam

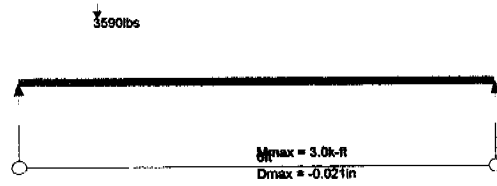
Page 2
 c:\ec55\william reid\froelich (wr-002).ecw:Ca

Description HDR 2 - @ PORCH

Query Values

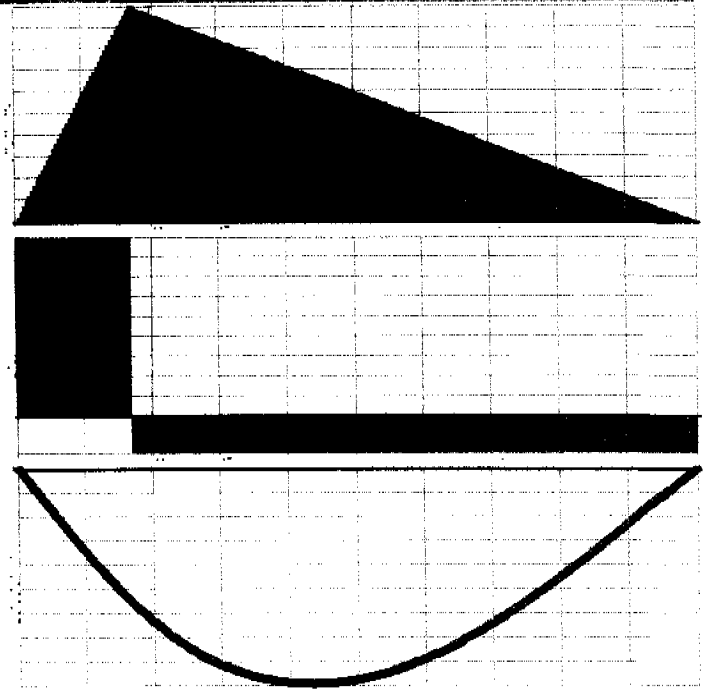
M, V, & D @ Specified Locations	Moment	Shear	Deflection
@ Center Span Location =	0.00 ft	2.99 k	0.0000 in
@ Right Cant. Location =	0.00 ft	0.00 k	0.0000 in
@ Left Cant. Location =	0.00 ft	0.00 k	0.0000 in

Sketch & Diagram



Rmax = 3.0k
 Vmax @ left = 3.0k

Rmax = 0.6k
 Vmax @ rt = 0.6k



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Title : Froelich Residence Job # WR-002
 Dsgnr: kk Date: 3:43PM, 7 OCT 06
 Description : 1st Floor remodeling & 2nd floor addition

Scope :

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Square Footing Design

Page 1
 c:\ec55\william reid\froelich (wr-002).ecw:Ca

Description F-2 R2

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

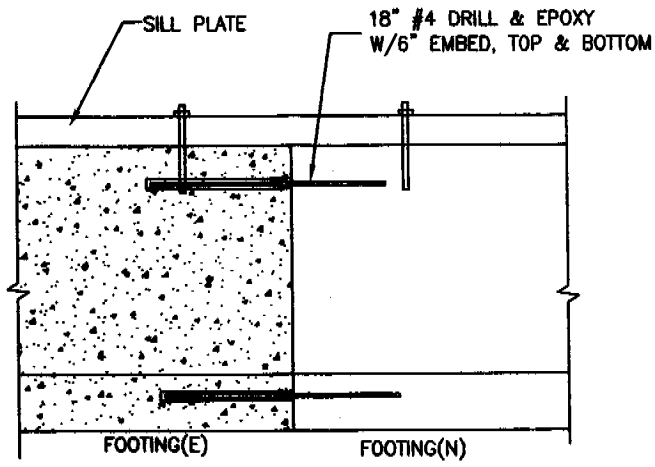
Dead Load	4.400 k	Footing Dimension	2.500 ft
Live Load	0.000 k	Thickness	12.00 in
Short Term Load	0.000 k	# of Bars	2
Seismic Zone	3	Bar Size	4
Overburden Weight	0.000 psf	Rebar Cover	3.000
Concrete Weight	150.00 pcf	f _c	2,500.0 psi
LL & ST Loads Combine		F _y	40,000.0 psi
Load Duration Factor	1.330		
Column Dimension	4.00 in	Allowable Soil Bearing	1,000.00 psf

Reinforcing

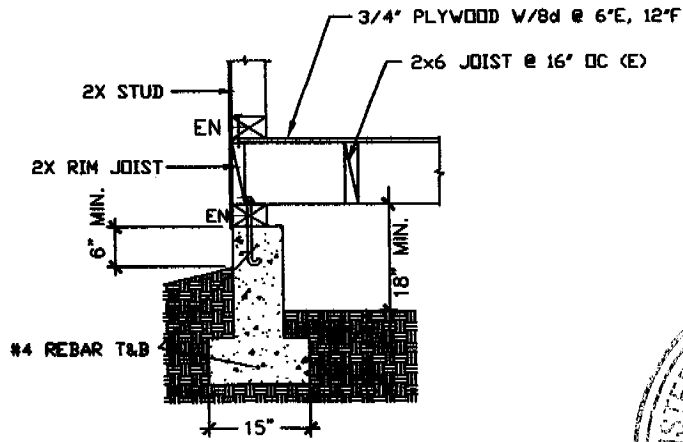
Rebar Requirement			
Actual Rebar "d" depth used	8.750 in	As to USE per foot of Width	0.147 in ²
200/F _y	0.0050	Total As Req'd	0.368 in ²
As Req'd by Analysis	0.0003 in ²	Min Allow % Reinf	0.0014
Min. Reinf % to Req'd	0.0014 %		

Summary Footing OK

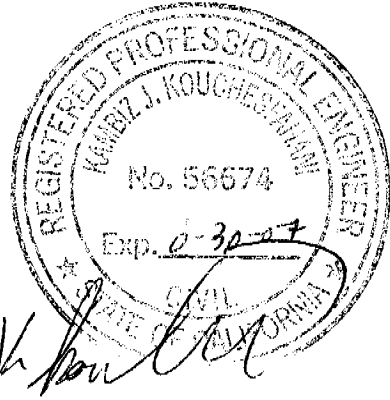
2.50ft square x 12.0in thick with 2- #4 bars			
Max. Static Soil Pressure	854.00 psf	V _u : Actual One-Way	4.03 psi
Allow Static Soil Pressure	1,000.00 psf	V _n *Phi : Allow One-Way	85.00 psi
Max. Short Term Soil Pressure	854.00 psf	V _u : Actual Two-Way	13.72 psi
Allow Short Term Soil Pressure	1,330.00 psf	V _n *Phi : Allow Two-Way	170.00 psi
Mu : Actual	0.70 k-ft / ft	Alternate Rebar Selections...	
Mn * Phi : Capacity	4.14 k-ft / ft	2 # 4's	2 # 5's
		1 # 6's	1 # 7's
		1 # 8's	1 # 9's
		1 # 10's	



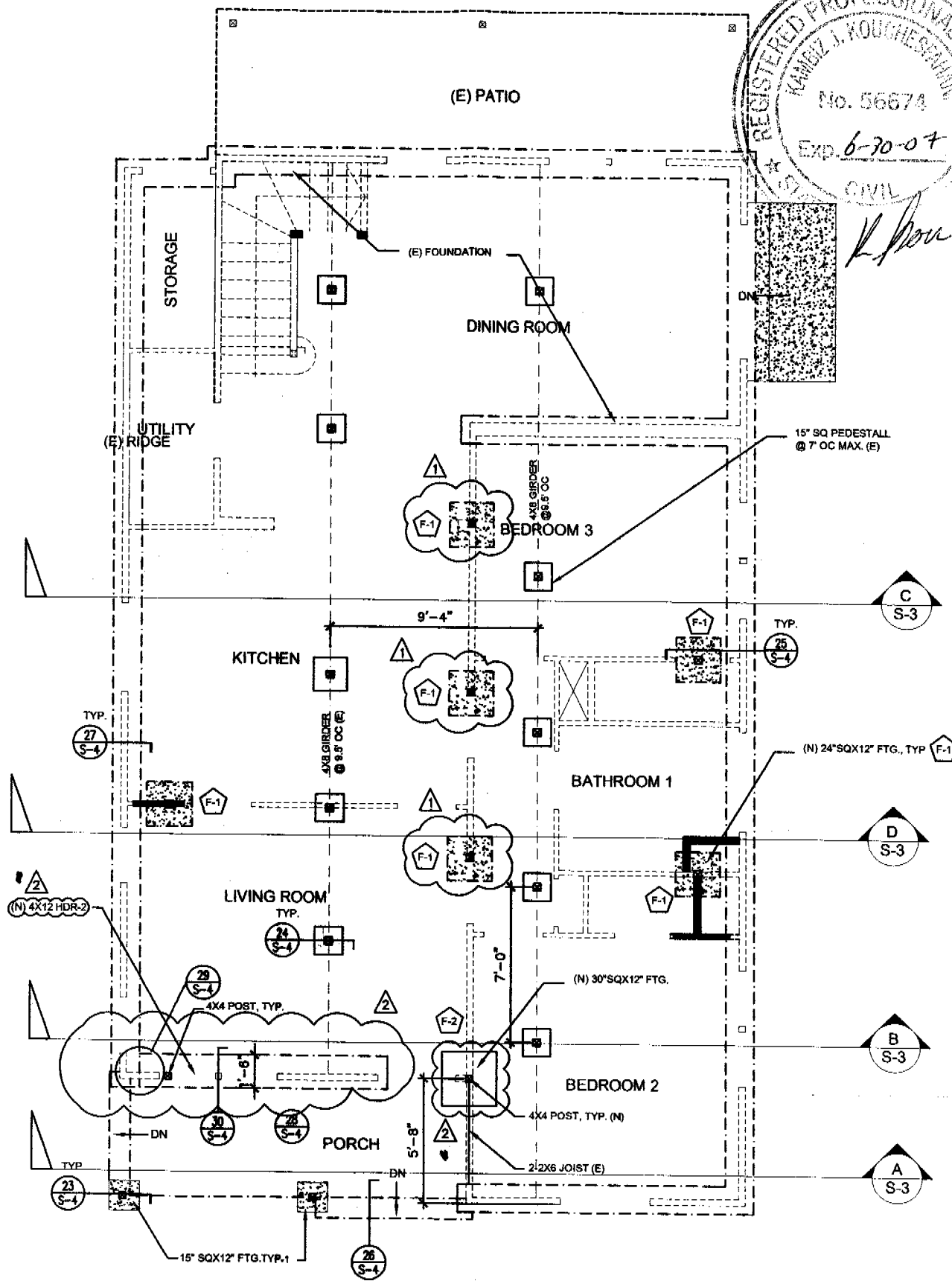
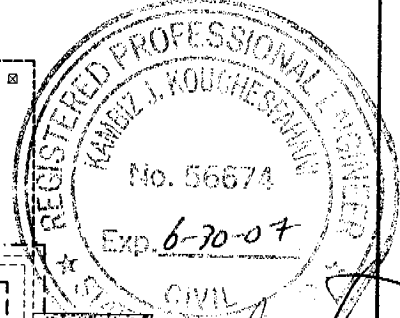
29 FOUND. CONN.



30 EXTERIOR FOUND (N)



<table border="1"> <thead> <tr> <th colspan="2">REVISION</th> </tr> </thead> <tbody> <tr> <td>▲</td> <td>PLAN CHECK 11-06-05</td> </tr> <tr> <td>▲</td> <td>OWNER CHANGE 10-07-05</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	REVISION		▲	PLAN CHECK 11-06-05	▲	OWNER CHANGE 10-07-05							<p>FOUNDATION PLAN</p>	<p>FROELICH RESIDENCE 2947 57TH STREET SACRAMENTO, CA</p>		<p>P.C.C. ENGINEERING 719 2nd STREET, SUITE 9 DAVIS CA 95618 TEL: (530) 758-3832 FAX: (530) 231-0104</p>
REVISION																
▲	PLAN CHECK 11-06-05															
▲	OWNER CHANGE 10-07-05															



FOUNDATION PLAN



SHEET NUMBER S-2 OF SHEETS	REVISION	FOUNDATION PLAN	FROELICH RESIDENCE 2847 57TH STREET SACRAMENTO, CA		P.C.C. ENGINEERING 719 2nd STREET, SUITE 9 DAVIS CA 95606 TEL: (530) 758-9832 FAX: (530) 231-0104
	PLAN CHECK 11-28-05 ENGINE CHANGE 12-27-06				



CONSTRUCTION TESTING & ENGINEERING, INC.

ESCONDIDO • TRACY • CORONA • OXNARD • LANCASTER • SACRAMENTO

INSPECTION REPORT

PAGE OF

CTE JOB # 90-0885

REPORT #

PROJECT NAME: Residence
 ADDRESS: 2947-57th St
Sacramento Ca
 ARCHITECT:
 ENGINEER:
 CONTRACTOR: Mendez
 INSPECTION DATE: 09/28/06
 PLAN FILE:
 BLDG PERMIT: 0605721
 OTHER: Epoxy Anchors

INSPECTION	MATERIAL IDENTIFICATION
<input type="checkbox"/> CONCRETE	CONC.MIX#/PSI <u> </u>
<input type="checkbox"/> MASONRY	GROUT MIX#/PSI <u> </u>
<input type="checkbox"/> P.T. CONC.	MORTAR TYPE/PSI <u> </u>
<input type="checkbox"/> FIELD WELD	REBAR GRADE <u> </u>
<input type="checkbox"/> SHOP WELDING	STR. STEEL <u> </u>
<input type="checkbox"/> PILE DRIVING	H.S.BOLT <u>A307</u>
<input type="checkbox"/> BATCH PLANT	MAS. BLOCK <u> </u>
<input type="checkbox"/> EXP. ANCHOR	ELECTRODE <u> </u>
<input checked="" type="checkbox"/> OTHER	

MATERIAL SAMPLING

- CONCRETE MORTAR GROUT FIREPROOFING MASONRY BLOCK REBAR
 STRUCTURAL STEEL BOLTS

INSPECTION PERFORMED, JOB PROBLEMS, MATERIAL IDENTIFICATION, PROGRESS, WORK REJECTED, REMARKS

Epoxy Anchors 5/8" A307 all thru
 10" depth of embed. Verify depth & chemistry
 Are blend & brush
 Sipped Sat 22 epoxy exists 08/07 & 10/07
 Observe application of epoxy & placement 5/8" anchors
 into perimeter foundation total 24

(Pay By Credit card)

Certification of Compliance: All work, unless otherwise noted, complies with the approved plans and specifications and the uniform building code.

NAME: (PRINT) Spencer S. Harwood
 CERTIFICATION NO:

SIGNATURE Spencer S. Harwood

GEOTECHNICAL & CONSTRUCTION ENGINEERING TESTING & INSPECTION

3628 MADISON AVE., SUITE 22, N. HIGHLANDS, CA 95660 (916) 331-6030 FAX (916) 331-6037