

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0108435
Insp Area: 1

Site Address: 1901 L ST SAC
Parcel No: 007-0084-018

Sub-Type: REM
Housing (Y/N): N

CONTRACTOR
SUPERIOR ENTERPRISES
10424 FAIR OAKS BL
SUITE B 95628

OWNER
MILLER HARVEY M
1901 L ST
SACRAMENTO CA 95814

ARCHITECT

Nature of Work: REMOVE 2 METAL POSTS AND INSTALL NEW BEAM AND POSTS

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, A License Number 375978 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 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 7-3-07 Applicant Agent Signature William J. Smith

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 7-03-07 Applicant Signature William J. Smith

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.

APPLICATION FOR COMMERCIAL BUILDING PERMIT

CITY OF SACRAMENTO
DEVELOPMENT SERVICES DIVISION
PERMIT SERVICES SECTION

1231 I Street, Rm. 200
 Sacramento, CA 95814 (916) 264-7619 FAX 264-7046

ACTIVITY #

0108435

Insp. Area

1C

Applicant **MUST** complete ALL Unshaded areas

ADDRESS 1901 "L" Street Suite _____

PARCEL # 007-0084-018

<p style="text-align: center;">CONTACT</p> <p>Name <u>JOE LEFORD</u></p> <p>Street Address <u>PO Box 1718</u></p> <p>City/State/Zip <u>FAIR OAKS, CA</u></p> <p>Phone <u>961-1522</u> FAX <u>961-1599</u></p> <p>E-mail: <u>Joe@SuperiorEnterprises.com</u></p>	<p style="text-align: center;">LICENSED CONTRACTOR Lic No. # <u>375978</u></p> <p>Name <u>William J. Leford</u></p> <p>Address <u>PO Box 1718</u></p> <p>City/State/Zip <u>FAIR OAKS, CA 95628</u></p> <p>Phone <u>961-1522</u> FAX <u>961-1599</u></p> <p>E-mail: _____</p>
<p style="text-align: center;">ARCHITECT/ENGINEER</p> <p>Name <u>Shelly Bailey PE</u></p> <p>Address <u>330 "W" St</u></p> <p>City/State/Zip <u>SACRAMENTO, CA</u></p> <p>Phone <u>(916) 444-3137</u> FAX _____</p> <p>E-mail: _____</p>	<p style="text-align: center;">OWNER</p> <p>Name <u>Harvey's CAR WASH</u></p> <p>Address <u>1901 "L" St</u></p> <p>City/State/Zip <u>SACRAMENTO, CA</u></p> <p>Phone _____ FAX _____</p> <p>E-mail: _____</p>

→ Will permittee have any employees on the jobsite? No Yes → INSURANCE CO: Farmers

→ WORKER'S COMPENSATION POLICY # 95153916762 EXPIRATION DATE: _____

NATURE OF WORK IN DETAIL: Remove (2) metal post and install New Beam and posts.

OCCUPANT/TENANT: _____ VALUATION: \$ 2,450

FLOOD STATUS:				S.C.A.T.						
JOB DESCRIPTION		BLDG	SHELL	APT	TI()	REM()	SW	FIRE	ADD	OTH
INSPECTION DISCIPLINES			BLDG	MECH	PLUMB	ELEC		SITE	FIRE	
# Stories	1st flr Area.	Total Area	Use Zone	Occp Group	Const type	Fire Req. Y / N		Fed Code	Vio. File	
						SPR	ALARM		[H]	[Quad]
<u>(B)</u>	L	P	M	E	F	S	D	PW	UTIL	
<u>130T</u>										

COMMENTS: _____

REGIONAL SANITATION FEES? Yes No HEALTH DEPARTMENT? Yes No

WATER FLOW TEST FOR NEW BUILDINGS OR ADDITIONS? Provided Faxed

Date of Request: _____

By: _____

CITY OF SACRAMENTO DEVELOPMENT SERVICES DIVISION
PLANNING AND ZONING INFORMATION REQUEST

Project Address: 1901 L STREET

Assessor's Parcel Number: 007-0084-016/017/018/019/020

Previous Use: CARWASH

Description of Request/Proposed Use: RELOCATE A COLUMN SUPPORT UNDER AN EXISTING CANOPY

Is This a Change of Use? NO

Prior Applications for Project Site(P#, Z#, DRPB#): DR85-104 Zoning Designation: MS (UN)

Comments: DES REV APPROVAL REQUIRED; TAKE PHOTOS OF SPECIFIC AREA AND MAKE APPT. WITH ELLEN SCHMIDT.

Are There Any Planning Issues?: (circle one) YES NO

- * Staff Site Plan Check Required? (Circle one) YES NO
- * Field Inspection Required? (Circle one) YES NO
- * Design Review/Preservation Required?: (Circle one) YES NO

Planning Review by/Date: [Signature] 7-2-01

A list of items that must be reviewed by Planning is provided on the reverse side of this form.

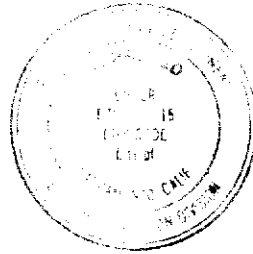
MICROFILM AFTER FINAL

SHELLY NATHAN BAILEY P.E.
CONSULTING ENGINEER
330 "U" STREET #1
SACRAMENTO, CA 95818
(916)444/3137

ISSUED
JUN 17 2001
Sacramento Building Division

July 02, 2001

HARVEY'S' CAR WASH
1901 L STREET
SACRAMENTO, CA



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.

PROJECT:

Remove a 6 WF 15.5 column support under the covered area where the washed cars pass under after blown air dry. This is the second to the last vertical column on the right side as you approach L Street. Cut the existing 6 WF 15.5 column 9 inches below the ceiling and flush at the bottom end with the existing concrete pavement. Support the top cut end of the 6WF15.5 column with a 14 WF 68 beam. This new beam is supported by two newly installed 3 feet diameter portland cement concrete footing 5 feet long. Into the wet concrete of each footing install a 6 WF 16 column to support each end of the 14 WF beam. The columns are to be installed 4 feet deep into the 5 feet footing. A reinforcing cage shall be attached to the bottom of column. This cage shall consist of 6 vertical #4 bars ,3 feet long, and 6 #4 2 feet in diameter hoops. The cage shall be welded to the bottom of the columns. A 7 X 7 inch plate 1/2 inch thick shall be welded to the top of each column. Each corner of the plate shall be pre-drill for 5/8 inch bolts to attach the columns to the 14WF beam.



Shelly Nathan Bailey

HARVEY'S CAR WASH

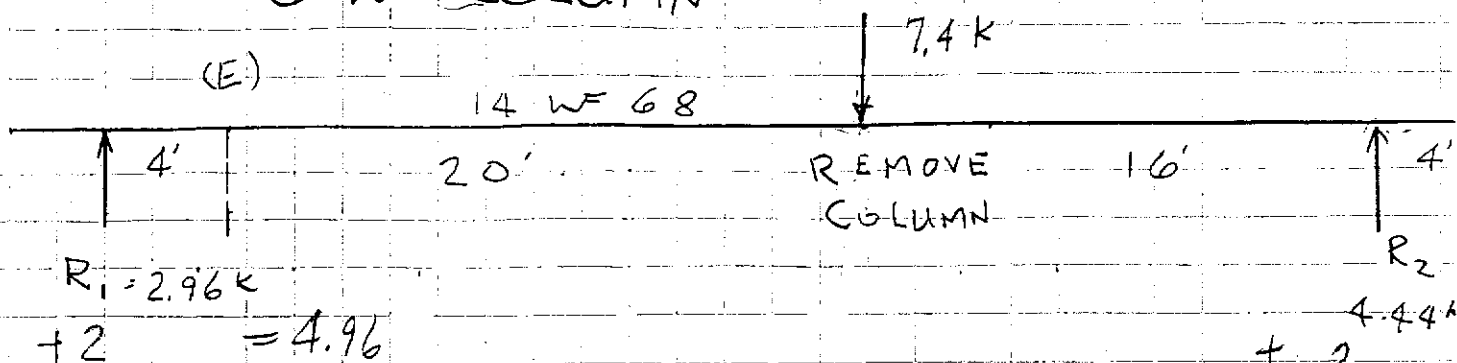
1901 - L St.

SAM FERNO - OWNER

916 444 0129

SHELLY NATHAN BAILEY P.E.
330 U Street #1
Sacramento, CA 95818

— REMOVE ONE SUPPORT
6 WF COLUMN



REMOVE COLUMN (7.4K) ↓
INSTALL COLUMNS R₁ & R₂
LOAD TRANSFERED TO R₁ & R₂

$$\sum_{R_1} M = 0$$

$$24 \times 24 = R_2 \times 40$$

$$R_2 = \frac{24 \cdot 24}{40} = 4.44 \text{ K}$$

$$\text{Max } m_o = 4.44 \times 16 = 71,040 \text{ Ft} \cdot \text{lb}$$

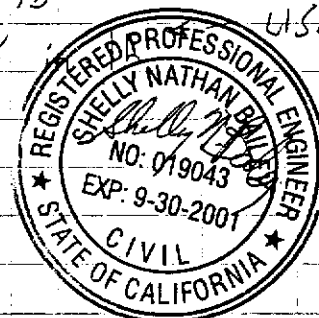
$$\times 12 = 852,480 \text{ in} \cdot \text{lb}$$

For WF 14 · 68 $S = 103 \text{ in}^3$

$$f_b = \frac{M}{S} = \frac{852,480}{103} = 8,276 \text{ PSI} - \text{OK} < 21$$

Also $M = 4.96 \times 24 = 119.04 \text{ Ft} \cdot \text{lb}$

$$\times 12 = 1,428.48$$



USE OK

$$\text{WT of 14 W68 when length} = (3 + 4 + 20 + 16 + 4)68 \\ = 47 \times 68 = 3,196 \text{ K}$$

Add 2 Kip to New Reaction

$$m \approx 24 \times 4960 \text{ lb} = 119,040 \text{ lb}\cdot\text{ft}$$

$$m \approx 20 \times 6440 \text{ lb} = 128,800 \text{ ft}\cdot\text{lb}$$

$$\rightarrow \text{USE } \times 12 = 1,545,600 \text{ in}\cdot\text{lb}$$

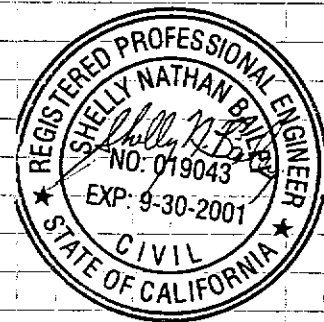
$$S = 103 \text{ in}^3$$

$$f_b = \frac{M}{S} = \frac{1,545,600}{103} = 15,006 \text{ PSI}$$

OK < 21.6 ksi

$$R_2 = 23.8 \times t_w = 23.8 \times 0.415 = 9.87 \text{ kips}$$

$$\text{Max Reaction} = 6.44 \text{ k}$$



36
+ $\frac{6}{42}$ - Hole
36 - Cage

SHELLY NATHAN BAILEY P.E.
330 U Street #1
Sacramento, CA 95818

Columns = 6 WF 16 $L_u = 12.0'$

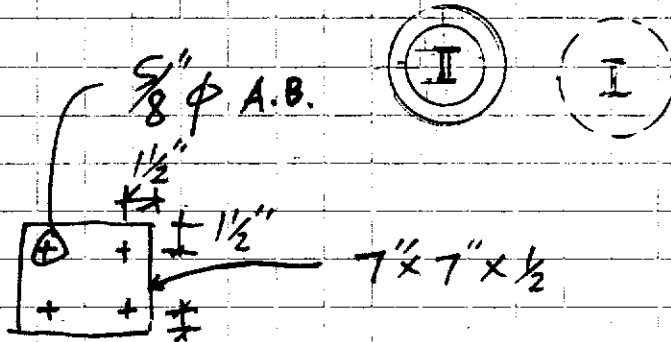
$A = 4.74 \text{ sq. in.}$

$d = 6.28''$

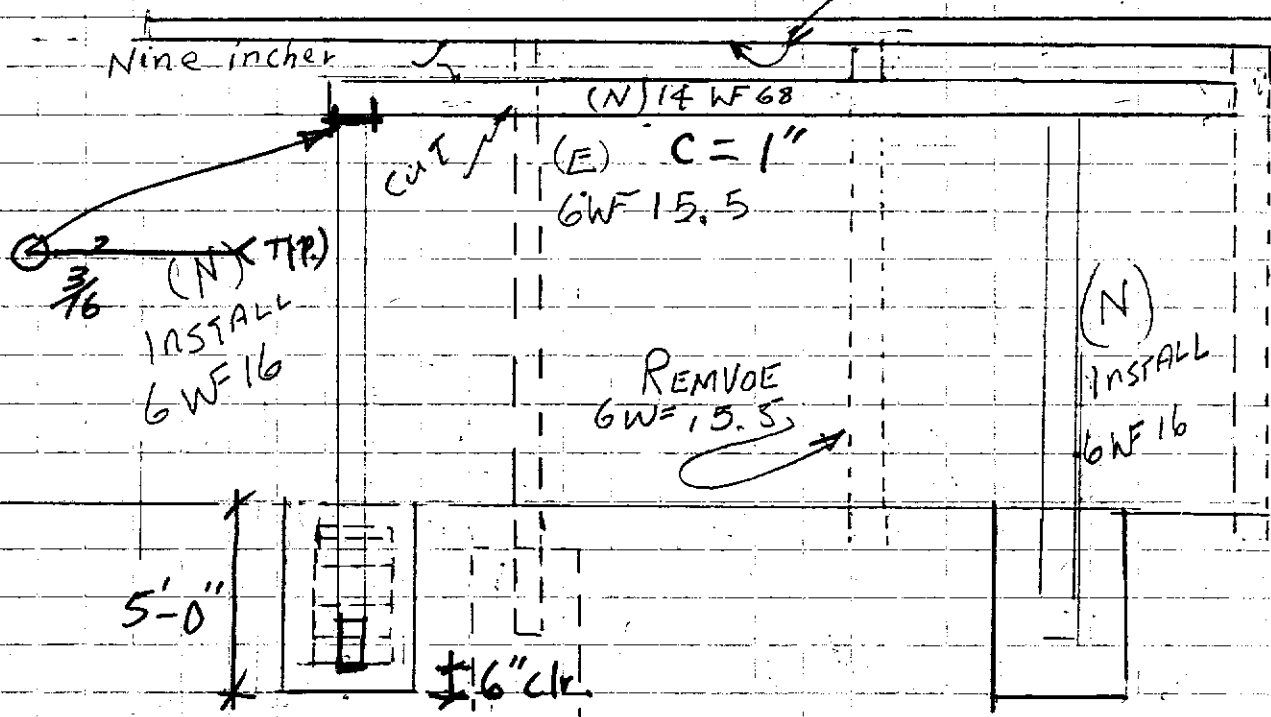
$b_f = 4.03$

$t_w = 0.260 \approx \frac{1}{4}$

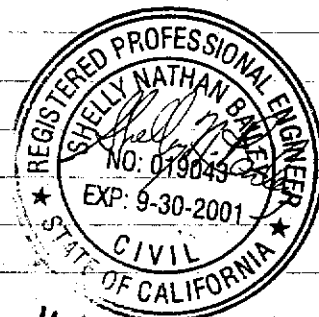
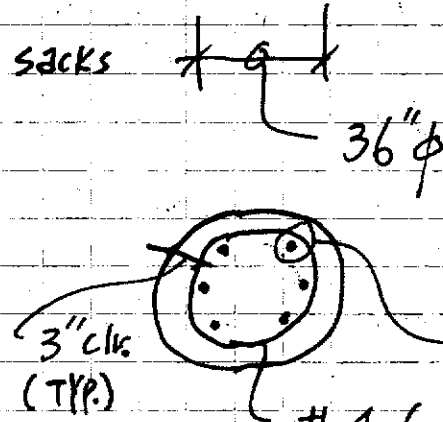
$t_f = 0.405 \approx \frac{3}{8}$



(E) CEILING



* Use Min. 5 sacks of cement



6-#4 vert.
#4 (total of 6 ties)

To specify your title block on these five lines, use the SETTINGS selection on the main menu and enter your title block information will be printed on each page.

Title : Job #
 Dsgnr: Date: 3:41PM, 2 JUL 01
 Description :
 Scope :

Rev: 510300
 User: KW-0602760, Ver 5.1.3, 22-Jun-1999, Win32
 (c) 1983-99 ENERCALC

Steel Beam Design

Page 1

Description

General Information

Calculations are designed to AISC 9th Edition ASD and 1997 UBC Requirements

Steel Section : W14X68

Center Span 40.00 ft
 Left Cant. 0.00 ft
 Right Cant 0.00 ft
 Lu : Unbraced Length 40.00 ft

Pinned-Pinned
 Brn Wt. Added to Loads
 LL & ST Act Together

Fy 36.00ksi
 Load Duration Factor 1.00
 Elastic Modulus 29,000.0ksi

Point Loads

	# 1	# 2	# 3	# 4	# 5	# 6	# 7	
Dead Load	7.400							k
Live Load								k
Short Term								k
Location	24.000							ft

Summary

Beam OK
 Static Load Case Governs Stress

Using: W14X68 section, Span = 40.00ft, Fy = 36.0ksi
 End Fixity = Pinned-Pinned, Lu = 40.00ft, LDF = 1.000

	Actual	Allowable		
Moment	84.083 k-ft	110.419 k-ft	Max. Deflection	-0.957 in
fb : Bending Stress	9.797 ksi	12.865 ksi	Length/DL Defl	501.5 : 1
fb / Fb	0.761 : 1		Length/(DL+LL Defl)	501.5 : 1
Shear	5.799 k	83.903 k		
fv : Shear Stres	0.995 ksi	14.400 ksi		
fv / Fv	0.069 : 1			

Force & Stress Summary

<<-- These columns are Dead + Live Load placed as noted -->>

	Maximum	DL Only	LL @ Center	LL+ST @ Center	LL @ Cants	LL+ST @ Cants	
Max. M +	84.08 k-ft	84.08					k-ft
Max. M -							k-ft
Max. M @ Left							k-ft
Max. M @ Right							k-ft
Shear @ Left	4.32 k	4.32					k
Shear @ Right	5.80 k	5.80					k
Center Defl.	-0.957 in	-0.957	0.000	-0.957	0.000	0.000	in
Left Cant Defl	0.000 in	0.000	0.000	0.000	0.000	0.000	in
Right Cant Defl	0.000 in	0.000	0.000	0.000	0.000	0.000	in
...Query Defl @	0.000 ft	0.000	0.000	0.000	0.000	0.000	in
Reaction @ Left	4.32	4.32		4.32			k
Reaction @ Rt	5.80	5.80		5.80			k

Fa calc'd per 1.5-2, K*L/r > Cc

Section Properties W14X68

		Weight			
Depth	14.040 in	67.93 #/ft	r-xx	6.012 in	
Width	10.035 in	723.00 in4	r-yy	2.460 in	
Web Thick	0.415 in	121.00 in4	Rt	2.710 in	
Flange Thickness	0.720 in	102.991 in3			
Area	20.00 in2	S-yy	24.116 in3		

CERTIFICATE of WELDER QUALIFICATION

Name: LANE BLAIR SS#: 553-72-3030

Process(es): ECAW Position: 3G

Filler Metal: E-717-11 Class: FB

Size: .045 Gas: N/A

Material: A-316 Thickness: 3/8"

Electrical: DC SP V: 18-20 A: 140-160

Backing: YES Passes: MULTI

Groove Design: BUZ-A Progression: UP

Qualified Thickness Range: 1/8 - 3/4

We certify that the above test welds were prepared and tested in accordance with the requirements of DL-1



DT.