

**CITY OF SACRAMENTO**  
1231 I Street, Sacramento, CA 95814

**Permit No: 0001932**  
**Insp Area: 2**

**Site Address: 7501 FRANKLIN BL SAC**  
Parcel No: 050-0020-023

**Sub-Type: AOTHR**  
**Housing (Y/N): N**

CONTRACTOR  
ROMCO  
5625 STOCKTON BL  
SAC CA 95824

OWNER  
N CALIF BAPTIST CONVEN  
7501 FRANKLIN BL  
SACRAMENTO CA 95823

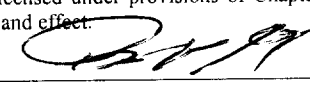
ARCHITECT

**Nature of Work: ADDING 11 FT. X 44 IN. SHADE OVERHANG TO HEAD START BLDG.**

**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 73266 Date 2/28/00 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);

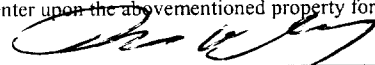
\_\_\_\_\_, I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors License Law does not apply to an owner of property who builds or improves 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 2/28/00 Applicant/Agent Signature 

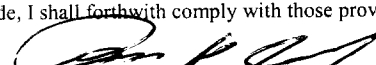
**WORKER'S COMPENSATION DECLARATION:** I hereby affirm under penalty of perjury one of the following declarations:

\_\_\_\_\_, 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 1488081-99 Exp Date 02/01/2000

\_\_\_\_\_, (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 2/28/00 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.**

# CITY OF SACRAMENTO

## APPLICATION FOR COMMERCIAL BUILDING PERMIT

DEVELOPMENT SERVICES DIVISION  
 PERMIT SERVICES SECTION  
 1231 I Street, Rm. 200  
 Sacramento, CA 95814 (916) 264-7619 FAX 264-7046

ACTIVITY # 0001932 Insp. Area 26

Applicant **MUST** complete ALL Unshaded areas

ADDRESS 7501 Franklin Blvd Suite \_\_\_\_\_  
 PARCEL # 000000000

<b>CONTACT</b>	<b>LICENSED CONTRACTOR</b> Lic No. # <u>732660</u>
Name _____	Name <u>Remo Construction Group Inc.</u>
Address _____	Address <u>5657 1/2 Stockton Blvd</u>
Phone _____ FAX _____	Phone <u>736-0625</u> FAX <u>451-2084</u>
E-mail _____	E-mail _____
<b>ARCHITECT/ENGINEER</b>	<b>OWNER</b>
Name <u>Structural Systems</u>	Name <u>MCA - Head Start</u>
Address _____	Address <u>7501 Franklin Blvd</u>
Phone <u>488-7654</u> FAX <u>488-7654</u>	Phone _____ FAX _____
E-mail _____	E-mail _____

→ Will permittee have any employees on the jobsite?  No  Yes → INSURANCE CO: \_\_\_\_\_  
 → WORKER'S COMPENSATION POLICY # \_\_\_\_\_ EXPIRATION DATE: \_\_\_\_\_

NATURE OF WORK IN DETAIL: 11 x 44 Shade

OCCUPANT/TENANT: \_\_\_\_\_ VALUATION: \$ 7,500<sup>00</sup>

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	
				<u>E-3</u>	<u>V-NE</u>	SPR	ALARM	<u>14</u>	[H]	[Quad]
B	L	P	M	E	F	S		D	PW	UTIL
<u>13</u>	<u>13</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: 7501 Franklin Blvd

Assessor's Parcel Number: \_\_\_\_\_

Previous Use: Church + Wood Shop

Description of Request/Proposed Use: 11' x 44" awning for  
Head Start Bldg

Is This a Change of Use? NO

Zoning Designation: R3

Prior Applications for Project Site(P#, Z#, DRPB#): P111

Comments: Head Start is exempt  
from Planning - is OK

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] 2-28-02

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

MICROFILM AFTER FINAL

2221 Claremont Road  
Carmichael, CA 95608  
Tel. (916) 488-7654  
Fax. (916) 483-0171

# Structural Systems

March 16, 2000

Permit No. 0001932

Mr. Roman Mozdyniewicz  
Romco Construction  
5625 Stockton Blvd.  
Sacramento, CA 95824

Address: 7501 Franklin BL

Re: MCA Head Start  
7501 Franklin Blvd.  
Sacramento, CA

Dear Sir:

This letter is in response to your questions about the comments issued by your building inspector during your frame inspection on the above referenced project. 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 to the same without written permission of the Building Inspecting Division. SHALL NOT BE USED FOR ANY OTHER PROJECT.

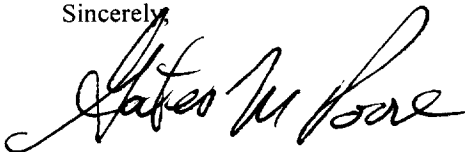
The first item of concern is in reference to the unfired grade of the 4x10 DF perimeter support beam. My calculations used DF#2 for the design assumptions, so obviously DF#2 is acceptable.

The second item of concern was the cut seats for the rafters made to utilize the Simpson face hangers. Rafter depth at seat cut on the pitched roof rafter 2x6's used is 5 3/8". This amount is nearly the normal 5 1/2" of square depth. As such, only minimal capacity is lost in shear. Since the controlling stresses for the design are in bending, this minimal reduction is ok by observation.

The third item concerns the 1 1/4" notching of the 4x4 post to accommodate the alignment of the column base assembly cast in the concrete footing. This reduces the bearing of the post by about 36%. Since the required capacity for these columns is only 799 lbs. the capacity loss is ok. The bearing capacity would then be on the reduced area of 7.875 sq. in. This makes the bearing stress equal to 799 lbs. / 7.875 sq. in., which yields a bearing stress of 101 psi, well below the allowable of 1,300 psi.

Therefore I certify that the above itemized concerns are acceptable within my design assumptions and exceed the '97 UBC specifications.

Sincerely,



Gates M. Poore P.E.

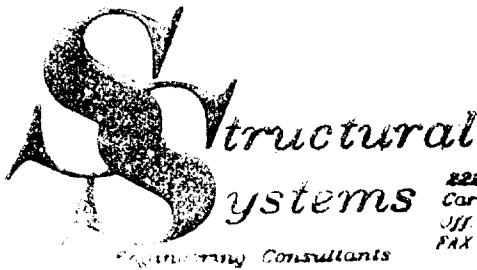
O.K. JT  
3/20/00



ISSUED

MAR 20 2000

Sacramento Building Division



MCA - HEAD START  
 7501 FRANKLIN BLVD.  
 SACRAMENTO, CA.

SHT #1 OF 12  
 2/24/00 GMP.

2221 Claremont Road  
 Carmichael, CA 95808  
 OFF (916) 488-7654  
 FAX (916) 483-0171

DESIGN FOR SHOE DETAIL AS SHOWN ON SHEET # A-3

Roof DL<sub>c</sub> - SPAN = 11'-0"

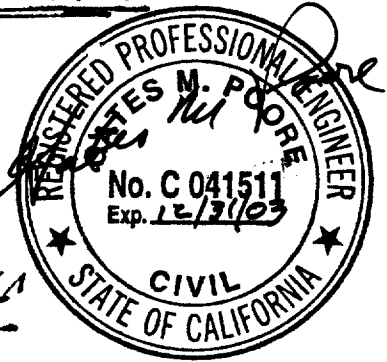
Composite Roofing - 3.0 psf.

1/2" Plyw S&TG - 1.6 "

2x6 Rafters @ 24" OC - 1.0 "

5.6 psf. x 2 = 11.2 plf

L.L. = 20 psf. x 2 = 40 plf



(SEE COMPUTER P.C. - SPAN 1)

USE 2x6'S @ 24" OC. DF#2

STRESS RATIO =  $\frac{0.913}{1.0}$   
 DEF<sub>PL</sub> = -1/2"  $\Rightarrow$  1/260

R<sub>DL</sub> = 61.6 lbs

R<sub>L</sub> = 220 lbs

OK.

DESIGN FOR END BEAM

SPAN = 11'-0"

DL<sub>c, Roof</sub> = 61.6 #/2' = 30.8 plf.

4x12 BM = 10.0 plf.

2x6 BLAG = 2.0 "

OVER HANG = 5.6 "

2x6 FACIA = 2.6 "

ISSUED  
 FEB 28 2000  
 CITY OF SACRAMENTO  
 DEVELOPMENT SERVICES

L.L. = 220/2 = 110 + 20 = 130 plf.

CAN USE 4x12 DF#2

(SEE COMP. P.C. SPAN 3)

R<sub>DL</sub> = 280.5 #

R<sub>L</sub> = 715 #

STRESS RATIO = 0.794

DEF<sub>PL</sub> = 0.33"  $\Rightarrow$  1/394

OK.  
 The approval of this plan and specification SHALL NOT be made to grant or approve the violation of any City Ordinance or State Law.



MCA HEAD START  
7501 FRANKLIN BLVD.  
SACRAMENTO, CA.

SHT # 2 OF 12  
2/21/00 GMLP

1221 Claremont Road  
Carmichael, Ca. 95808  
Off. (916) 480-7854  
FAX (916) 483-0177

LATERAL LOADS

NEGLECT WIND LOAD SINCE OPEN STRUCTURE  
SEISMIC WILL CONTROL.

W FOR STRUCTURE

$$W_u = 12 \times 44 (56) + 14.6 (44)$$

$$W_u = 3,599 \text{ lbs}$$

UBC '97 (1630)

$R = 1.5$  MAX. REQ'D REDUNDANCY FACTOR

$$V = \frac{C_v I W}{R T}$$

$$V = \frac{0.54 \times 1}{5.6 \times 1.125} W = \underline{1.655 W}$$

$$C_v = 0.54 \text{ Zone 3 w/ } S_0$$

$$I = 1.0$$

$$R = 2.9$$

$$T = C_f (h_n)^{3/4} = .02 (10)^{3/4} = \underline{.1125}$$

$$C_a = 0.36 \text{ Zone 3 w/ } S_0$$

NEED NOT EXCEED

$$V = \frac{2.5 C_a I W}{R} = \frac{2.5 \times 0.36 \times 1}{2.9} W$$

$$V = 0.3103 W$$

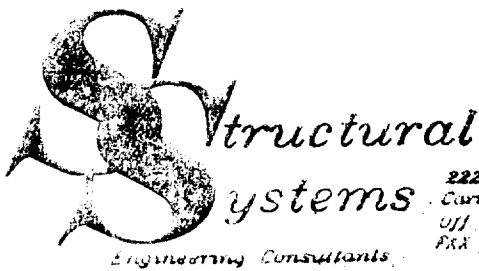
SHALL NOT BE LESS THAN

$$V = 0.11 C_a I W = .11 \times 0.36 \times 1 W$$

$$V = 0.0396 W$$

$$\therefore V = 0.3103 \times 3599 = \underline{1,117 \#}$$

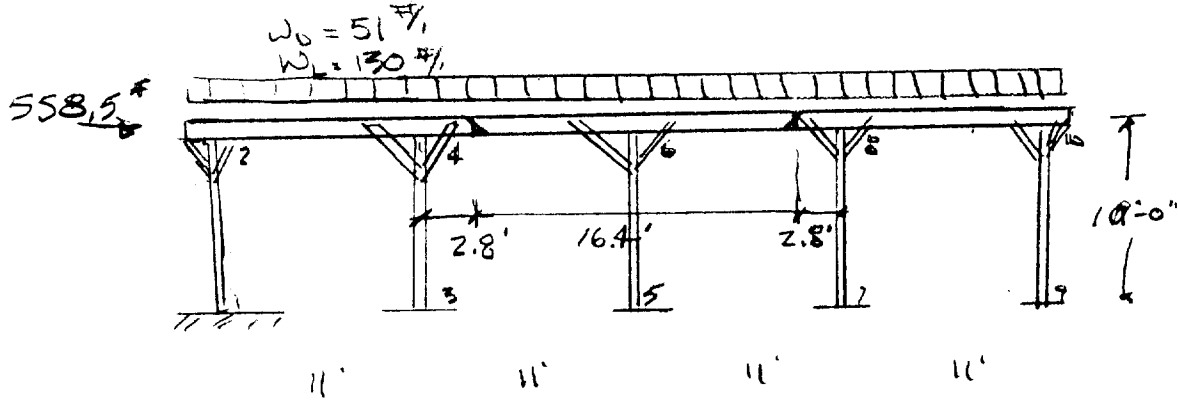
- FORCE APPLIED @ EXT. COLS =  $1117 / 2 = \underline{558.5 \#}$



MCA - HEAD START  
7501 FRANKLIN BLVD  
SACRAMENTO, CA

Sheet # 3 of 12

2221 Claremont Road  
Claremont, Ca. 95008  
OFF. (916) 488-7854  
FAX (916) 488-0171



- LATERAL FORCE DIST. TO 5 POSTS - ASSUMED RIGID TOP & BOTTOM

MEMBER	AXIAL (K)		MOMENT (FT-K)			
	D+L	D+S	D+L	D+S		
COLS	1-2	0.799 K	0.144	0.121	0.508	
	3-4	2.246	0.668	0.027	0.573	
	5-6	1.875	0.528	0	0.557	
	7-8	2.246	0.599	0.027	0.556	
	9-10	0.799	0.306	0.121	0.574	
BM	2-4	0.018	0.453	-2.287	-0.990	* MAX. BENDING MOMENT IN BM
	4-6	0.014	0.339	2.259	-0.735	
	6-8	0.014	0.227	-2.259	-0.856	
	8-10	0.018	0.115	2.287	-0.574	

$$f_{b, BM} = \frac{2.287 \times 12000}{49.91} = 550 \text{ psi} < 875 \text{ psi OK}$$

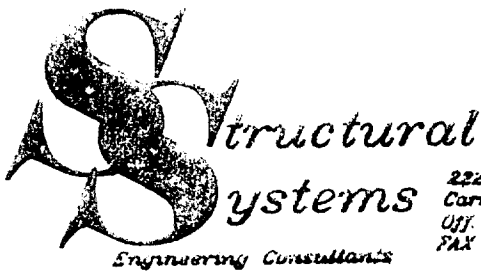
$$f_{b, top} = \frac{0.574 \times 12000}{7.146} = 963 \text{ psi} < 875 \times 1.33 = 1,164 \text{ psi OK}$$

$$f_{a, col} = \frac{2.246 \times 1000}{12.25} = 183 \text{ psi} < 625 \text{ psi OK}$$

SEE COMP. PO. MOMENT IN BM IS 0 @ 2.8 FT. FROM END @ NODE 4

SO MAKE SPLICE @ 2.8 FT. - BM LENGTH = 14.8 FT. - SAME FROM OTHER END

$$M10 \text{ LENGTH BM} = 22 - (2 \times 2.8) = 16.4 \text{ FT.}$$

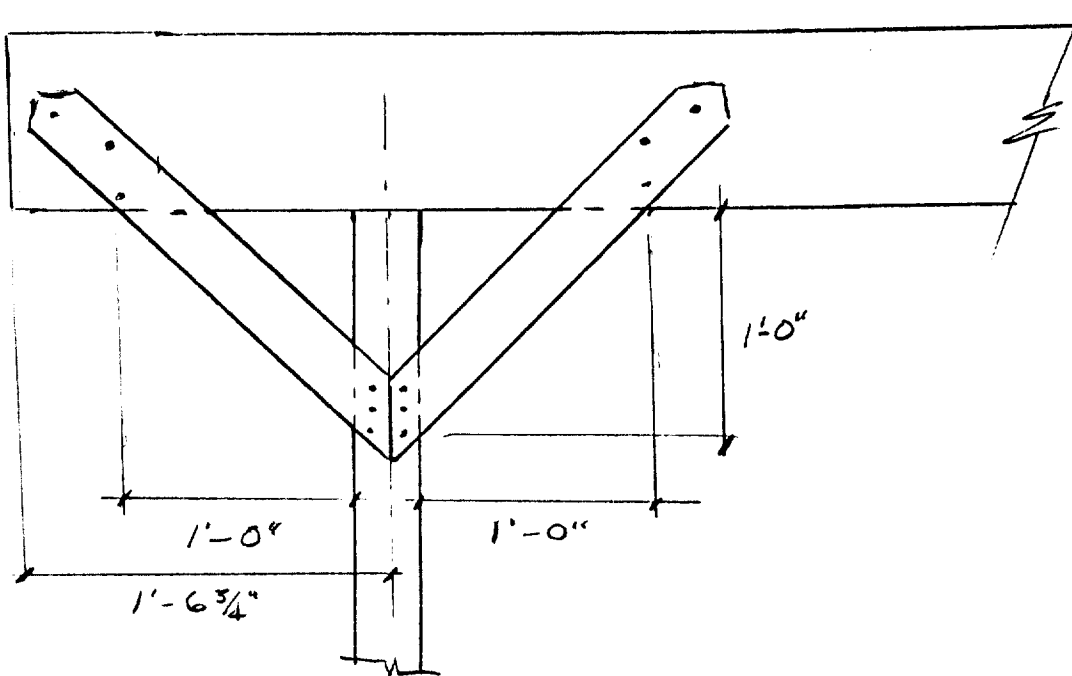


MCA - HEADSTART  
7501 FRANKLIN BLVD  
SACRAMENTO, CA.

JNT #4 OF 12

2221 Claremont Road  
Carmichael, Ca. 95608  
OFF. (916) 488-7654  
FAX (916) 483-0171

COL - BM CONN.



END POST - BM CONN. - MAX. MOMENT

REQ'D MOMENT CONN @ TOP = 0.574 F-K.

- ASSUME ARM ON POST TOP CONN. = 1'-0"

So HORIZ. FORCE REQ'D = 574 # - 1/2 IN TENSION BRACE  
1/2 IN COMP. BRACE

- AXIAL FORCE IN 2x4 BRACE

$$\frac{574 \times 1}{2 \times .707} = \underline{406 \#}$$

USE 3-20d's EA END

$$CAP. = 124 \times 1.33 \times 3 = \underline{495 \#}$$

POST TOP CONN.

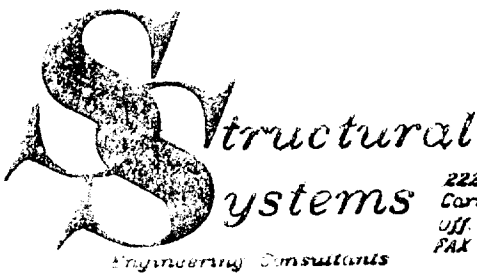
HORIZ. FORCE REQ'D = 574 #

USE 4-20d's TOENAILS

$$CAP. = 124 \times 1.33 \times 4 = \underline{660 \#}$$

> 574 #. OK





MCA - HEAD START  
7501 FRANKLIN BLVD  
SACRAMENTO, CA.

SAT #5 of 12

2221 California Road  
Carmichael, CA 95808  
OFF. (916) 500-7854  
FAX (916) 403-0177

CHECK MAX BOTTOM MOM. FOR POST

$M_{MAX} = 0.572 \text{ K-Ft. @ NODE 9}$

USE SIMP. "CBSQ44"  
w/ 14-SDS 1/4x2"  
WOOD SCREWS

$M_{CAP} = 2121 \times 3.5 = 7423 \text{ IN-LBS}$

$CAP. = 303 \# / \text{SCREW}$

$M_{MAX} = .572 \times (2000) = 6,864 \text{ IN-LBS}$

$\frac{x 7}{2121 \#} \text{ FORCE EQ SIDE OF } 4 \times 4 \text{ POST.}$

OK

BM SPLICE CONN. @ 2.8 FT FROM NODE 4 & 8

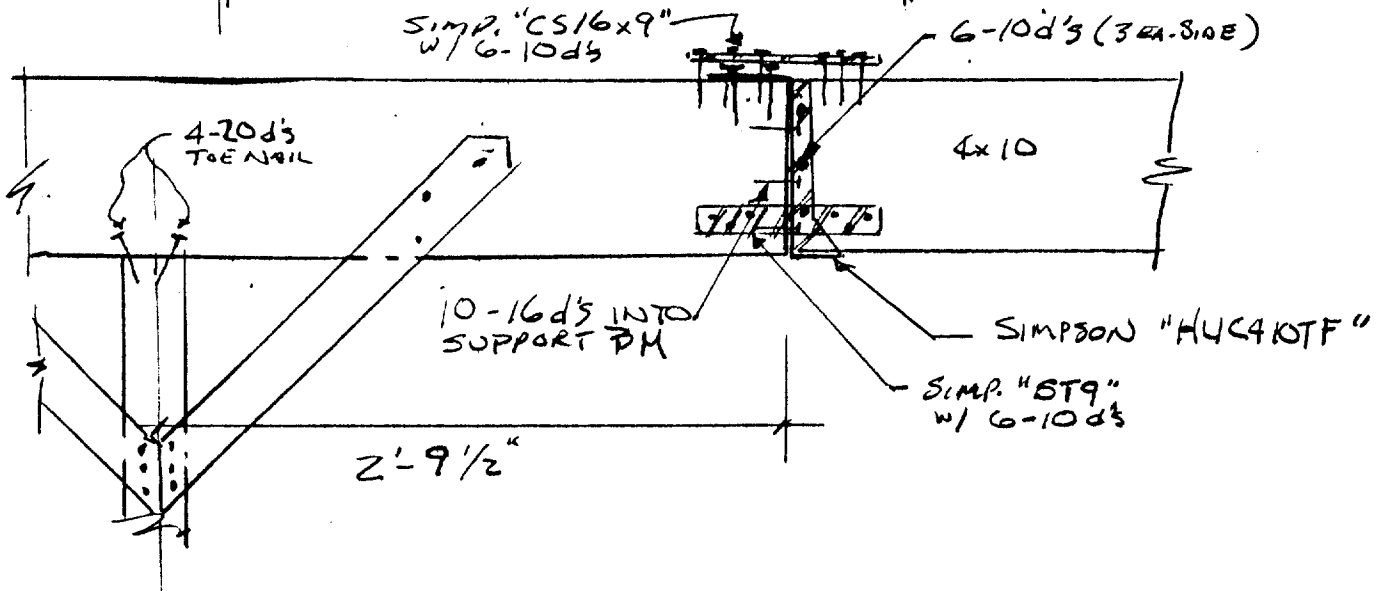
LOAD COND. DEAD + LIVE  $\Rightarrow M = 0 \text{ FT-K} \quad \frac{1}{2} V = 543 \#$

DEAD + SEISMIC  $\Rightarrow M = .085 \text{ FT-K} \quad V = 108 \#$

MAX. REACTION = 543#

" MOM. =  $85 \times 12 = 1020 \text{ IN-LBS} \div 7" = 146 \#$

USE SIMPSON "HUC410TF"  
CAP. = 4150# > 543# OK





STRUCTURAL SYSTEMS  
 2221 Claremont Rd.  
 Carmichael, CA 95608  
 Tel. (916) 488-7654

Title : MCA HEADSTART  
 Job # : Dsgnr: Q.M.P. Date: 2/25/00  
 Description... EXT. FRAME FOR SHADE SUPPORT

P.O. 1

1:15AM, 25 FEB 00

FastFrame 2-D Frame Analysis

V 5.0.8 -

Page 1

Nodes...

Node Label	Node Coordinates		X Restraint	Y Restraint	Z Restraint	Node Temp deg F
	X ft	Y ft				
1	0.000	0.000	Fixed	Fixed	Fixed	0
2	0.000	10.000				0
3	11.000	0.000	Fixed	Fixed	Fixed	0
4	11.000	10.000				0
5	22.000	0.000	Fixed	Fixed	Fixed	0
6	22.000	10.000				0
7	33.000	0.000	Fixed	Fixed	Fixed	0
8	33.000	10.000				0
9	44.000	0.000	Fixed	Fixed	Fixed	0
10	44.000	10.000				0

Member...

Member Label	Property Label	Endpoint Nodes		Member Length ft	I End Releases			J End Releases		
		I Node	J Node		X	Y	Z	X	Y	Z
1-2	TypCol	1	2	10.000						
2-4	DF4X10	2	4	11.000						
3-4	TypCol	3	4	10.000						
4-6	DF4X10	4	6	11.000						
5-6	TypCol	5	6	10.000						
6-8	DF4X10	6	8	11.000						
7-8	TypCol	7	8	10.000						
8-10	DF4X10	8	10	11.000						
9-10	TypCol	9	10	10.000						

Member Stress Check Data...

Member Label	Unbraced Lengths		Slenderness Factors		AISC Bending & Stability Factors	
	Lu : Z ft	Lu : XY	K : Z	K : XY	Cm	Cb
1-2	10.000	10.000	1.00	1.00	Internal	Internal
2-4	11.000	11.000	1.00	1.00	Internal	Internal
3-4	10.000	10.000	1.00	1.00	Internal	Internal
4-6	11.000	11.000	1.00	1.00	Internal	Internal
5-6	10.000	10.000	1.00	1.00	Internal	Internal
6-8	11.000	11.000	1.00	1.00	Internal	Internal
7-8	10.000	10.000	1.00	1.00	Internal	Internal
8-10	11.000	11.000	1.00	1.00	Internal	Internal
9-10	10.000	10.000	1.00	1.00	Internal	Internal

Materials...

Member Label	Youngs ksi	Density kcf	Thermal in/100d	Yield ksi
Default	1,600.00	0.035	0.000000	0.87
Steel	29,000.00	0.490	0.000650	36.00
WOOD	1.00	0.000	0.000000	0.00



STRUCTURAL SYSTEMS  
 2221 Claremont Rd.  
 Carmichael, CA 95608  
 Tel. (916) 488-7654

Title : *MCA - HEADSTART* POZ  
 Job # :  
 Dsgnr: *GMP* Date: *2/25/00*  
 Description... *FRAME FOR SHOE SUPPORT*

**Section Sections...**

Prop Label	Material	Area	Depth	Tf	lxx
Group Tag			Width	Tw	lyy
<i>Not Used</i> ColLine_1	Default	1.000 in2	0.000 in	0.000 in	1.00 in4
	Default	1.000 in2	0.000 in	0.000 in	0.00 in4
	Default	1.000 in2	0.000 in	0.000 in	1.00 in4
	Default	1.000 in2	0.000 in	0.000 in	0.00 in4
	Default	1.000 in2	0.000 in	0.000 in	1.00 in4
ColLine_2	Default	1.000 in2	0.000 in	0.000 in	0.00 in4
ColLine_3	Default	1.000 in2	0.000 in	0.000 in	1.00 in4
ColLine_4	Default	1.000 in2	0.000 in	0.000 in	0.00 in4
ColLine_5	Default	1.000 in2	0.000 in	0.000 in	1.00 in4
BmLv1_1	Default	39.380 in2	11.250 in	0.000 in	415.30 in4
			3.500 in	0.000 in	40.20 in4
TypCol	Default	12.250 in2	3.500 in	0.000 in	12.50 in4
DF4X10	Default	32.380 in2	9.250 in	0.000 in	230.80 in4
			3.500 in	0.000 in	33.04 in4
<del>DF4X8</del>	Default	25.380 in2	7.250 in	0.000 in	111.10 in4
			3.500 in	0.000 in	25.90 in4
<del>Default</del>	Default	1.000 in2	0.000 in	0.000 in	1.00 in4
			0.000 in	0.000 in	0.00 in4

**Node Loads....**

Node Label	Concentrated Loads and Moments			Load Case Factors				
	X	Y	Moment	# 1	# 2	# 3	# 4	# 5
2	0.558k					1.000		

**Member Point Loads...**

Member Label	Magnitude	Distance from "I" Node	Load Direction	Load Case Factors				
				# 1	# 2	# 3	# 4	# 5
2-4	0.000 k	0.000 ft	Global X	1.000				

**Member Distributed Loads...**

Member Label	Load Magnitudes		k/ft	Load Extents		Load Direction	Load Case Factors				
	Start	Finish		Start ft	Finish ft		# 1	# 2	# 3	# 4	# 5
2-4	0.051	0.051	k/ft	0.000	11.000	Global Y	1.000				
2-4	0.130	0.130	k/ft	0.000	11.000	Global Y		1.000			
4-6	0.051	0.051	k/ft	0.000	11.000	Global Y	1.000				
4-6	0.130	0.130	k/ft	0.000	11.000	Global Y		1.000			
6-8	0.051	0.051	k/ft	0.000	11.000	Global Y	1.000				
6-8	0.130	0.130	k/ft	0.000	11.000	Global Y		1.000			
8-10	0.051	0.051	k/ft	0.000	11.000	Global Y	1.000				
8-10	0.130	0.130	k/ft	0.000	11.000	Global Y		1.000			

**Load Combinations...**

Load Combination Description	Stress Increase	Gravity Load Factors		Load Combination Factors				
		X	Y	# 1	# 2	# 3	# 4	# 5
DEAD	1.000			-1.000				
DEAD+LIVE	1.000			-1.000	-1.000			
DEAD+SEISMIC	1.000			-1.000		1.000		
LIVE	1.000				-1.000			
SEISMIC	1.000					1.000		



STRUCTURAL SYSTEMS  
 2221 Claremont Rd.  
 Carmichael, CA 95608  
 Tel. (916) 488-7654

11111 11-31-574111  
 Job # : Dsgnr: G.M.P. Date: 2/25/00  
 Description: FRAME FOR ~~4~~5#KDE SUPPORT

105

1:15AM, 25 FEB 00

FastFrame 2-D Frame Analysis

V 5.0.8 -

Page 3

Node Displacements & Reactions

Node Label	Load Combination	Node Displacements			Node Reactions		
		X in	Y in	Z Radians	X k	Y k	Z k-ft
1	DEAD	0	0	0	0.00510	0.22502	-0.01700
1	LIVE	0	0	0	0.01300	0.57358	-0.04333
1	SEISMIC	0	0	0	-0.10994	-0.08075	0.55711
1	DEAD+LIVE	0	0	0	0.01811	0.79860	-0.06033
1	DEAD+SEISMIC	0	0	0	-0.10484	0.14427	0.54011
2	DEAD	0.00002	-0.00138	-0.00061	0	0	0
2	LIVE	0.00006	-0.00351	-0.00156	0	0	0
2	SEISMIC	0.82358	0.00049	-0.00053	0	0	0
2	DEAD+LIVE	0.00008	-0.00489	-0.00217	0	0	0
2	DEAD+SEISMIC	0.82361	-0.00088	-0.00115	0	0	0
3	DEAD	0	0	0	-0.00116	0.63285	0.00385
3	LIVE	0	0	0	-0.00294	1.61316	0.00982
3	SEISMIC	0	0	0	-0.11329	0.03551	0.56802
3	DEAD+LIVE	0	0	0	-0.00410	2.24601	0.01368
3	DEAD+SEISMIC	0	0	0	-0.11445	0.66836	0.57187
4	DEAD	0.00001	-0.00387	0.00014	0	0	0
4	LIVE	0.00003	-0.00988	0.00035	0	0	0
4	SEISMIC	0.82244	-0.00022	-0.00011	0	0	0
4	DEAD+LIVE	0.00004	-0.01375	0.00049	0	0	0
4	DEAD+SEISMIC	0.82245	-0.00409	0.00003	0	0	0
5	DEAD	0	0	0	0	0.52825	0
5	LIVE	0	0	0	0	1.34652	0
5	SEISMIC	0	0	0	-0.11211	0.00001	0.56388
5	DEAD+LIVE	0	0	0	0	1.87477	0
5	DEAD+SEISMIC	0	0	0	-0.11211	0.52826	0.56388
6	DEAD	0	-0.00323	0	0	0	0
6	LIVE	0	-0.00824	0	0	0	0
6	SEISMIC	0.82159	-4.310.E-011	-0.00024	0	0	0
6	DEAD+LIVE	0	-0.01148	0	0	0	0
6	DEAD+SEISMIC	0.82159	-0.00323	-0.00024	0	0	0
7	DEAD	0	0	0	0.00116	0.63285	-0.00385
7	LIVE	0	0	0	0.00294	1.61316	-0.00982
7	SEISMIC	0	0	0	-0.11310	-0.03526	0.56704
7	DEAD+LIVE	0	0	0	0.00410	2.24601	-0.01368
7	DEAD+SEISMIC	0	0	0	-0.11194	0.59759	0.56318
8	DEAD	-0.00001	-0.00387	-0.00014	0	0	0
8	LIVE	-0.00003	-0.00988	-0.00035	0	0	0
8	SEISMIC	0.82102	0.00022	-0.00011	0	0	0
8	DEAD+LIVE	-0.00004	-0.01375	-0.00049	0	0	0
8	DEAD+SEISMIC	0.82101	-0.00366	-0.00025	0	0	0
9	DEAD	0	0	0	-0.00510	0.22502	0.01700
9	LIVE	0	0	0	-0.01300	0.57358	0.04333
9	SEISMIC	0	0	0	-0.10956	0.08049	0.55520
9	DEAD+LIVE	0	0	0	-0.01811	0.79860	0.06033
9	DEAD+SEISMIC	0	0	0	-0.11466	0.30551	0.57220
10	DEAD	-0.00002	-0.00138	0.00061	0	0	0
10	LIVE	-0.00006	-0.00351	0.00156	0	0	0
10	SEISMIC	0.82074	-0.00049	-0.00053	0	0	0
10	DEAD+LIVE	-0.00008	-0.00489	0.00217	0	0	0
10	DEAD+SEISMIC	0.82072	-0.00187	0.00008	0	0	0



STRUCTURAL SYSTEMS  
 2221 Claremont Rd.  
 Carmichael, CA 95608  
 Tel. (916) 488-7654

Title : MCA - HEAD START  
 Job # : Dsgnr: GMP Date: 2/25/00  
 Description....

PO4

1:15AM, 25 FEB 00

FastFrame 2-D Frame Analysis

v5.08-

Page 4

Member End Forces...

Member Label	Load Combination	Node "I" End Forces			Node "J" End Forces		
		Axial k	Shear k	Moment ft-k	Axial k	Shear k	Moment ft-k
1-2	DEAD	0.22502	-0.00510	-0.01700	-0.22502	0.00510	-0.03402
1-2	LIVE	0.57358	-0.01300	-0.04333	-0.57358	0.01300	-0.08671
1-2	SEISMIC	-0.08075	0.10994	0.55711	0.08075	-0.10994	0.54230
1-2	DEAD+LIVE	0.79860	-0.01811	-0.06033	-0.79860	0.01811	-0.12073
1-2	DEAD+SEISMIC	0.14427	0.10484	0.54011	-0.14427	-0.10484	0.50828
2-4	DEAD	0.00510	0.22502	0.03402	-0.00510	0.33598	-0.64429
2-4	LIVE	0.01300	0.57358	0.08671	-0.01300	0.85642	-1.64231
2-4	SEISMIC	0.44806	-0.08075	-0.54230	-0.44806	0.08075	-0.34591
2-4	DEAD+LIVE	0.01811	0.79860	0.12073	-0.01811	1.19240	-2.28660
2-4	DEAD+SEISMIC	0.45316	0.14427	-0.50828	-0.45316	0.41673	-0.99020
3-4	DEAD	0.63285	0.00116	0.00385	-0.63285	-0.00116	0.00770
3-4	LIVE	1.61316	0.00294	0.00982	-1.61316	-0.00294	0.01963
3-4	SEISMIC	0.03551	0.11329	0.56802	-0.03551	-0.11329	0.56490
3-4	DEAD+LIVE	2.24601	0.00410	0.01368	-2.24601	-0.00410	0.02733
3-4	DEAD+SEISMIC	0.66836	0.11445	0.57187	-0.66836	-0.11445	0.57260
4-6	DEAD	0.00395	0.29687	0.63659	-0.00395	0.26413	-0.45647
4-6	LIVE	0.01006	0.75674	1.62268	-0.01006	0.67326	-1.16356
4-6	SEISMIC	0.33477	-0.04524	-0.21899	-0.33477	0.04524	-0.27862
4-6	DEAD+LIVE	0.01401	1.05361	2.25927	-0.01401	0.93739	-1.62003
4-6	DEAD+SEISMIC	0.33871	0.25164	0.41760	-0.33871	0.30936	-0.73509
5-6	DEAD	0.52825	0	0	-0.52825	0	0
5-6	LIVE	1.34652	0	0	-1.34652	0	0
5-6	SEISMIC	0.00001	0.11211	0.56388	-0.00001	-0.11211	0.55721
5-6	DEAD+LIVE	1.87477	0	0	-1.87477	0	0
5-6	DEAD+SEISMIC	0.52826	0.11211	0.56388	-0.52826	-0.11211	0.55721
6-8	DEAD	0.00395	0.26413	0.45647	-0.00395	0.29687	-0.63659
6-8	LIVE	0.01006	0.67326	1.16356	-0.01006	0.75674	-1.62268
6-8	SEISMIC	0.22266	-0.04523	-0.27859	-0.22266	0.04523	-0.21895
6-8	DEAD+LIVE	0.01401	0.93739	1.62003	-0.01401	1.05361	-2.25927
6-8	DEAD+SEISMIC	0.22660	0.21890	0.17789	-0.22660	0.34210	-0.85554
7-8	DEAD	0.63285	-0.00116	-0.00385	-0.63285	0.00116	-0.00770
7-8	LIVE	1.61316	-0.00294	-0.00982	-1.61316	0.00294	-0.01963
7-8	SEISMIC	-0.03526	0.11310	0.56704	0.03526	-0.11310	0.56392
7-8	DEAD+LIVE	2.24601	-0.00410	-0.01368	-2.24601	0.00410	-0.02733
7-8	DEAD+SEISMIC	0.59759	0.11194	0.56318	-0.59759	-0.11194	0.55622
8-10	DEAD	0.00510	0.33598	0.64429	-0.00510	0.22502	-0.03402
8-10	LIVE	0.01300	0.85642	1.64231	-0.01300	0.57358	-0.08671
8-10	SEISMIC	0.10956	-0.08049	-0.34497	-0.10956	0.08049	-0.54043
8-10	DEAD+LIVE	0.01811	1.19240	2.28660	-0.01811	0.79860	-0.12073
8-10	DEAD+SEISMIC	0.11466	0.25549	0.29932	-0.11466	0.30551	-0.57445
9-10	DEAD	0.22502	0.00510	0.01700	-0.22502	-0.00510	0.03402
9-10	LIVE	0.57358	0.01300	0.04333	-0.57358	-0.01300	0.08671
9-10	SEISMIC	0.08049	0.10956	0.55520	-0.08049	-0.10956	0.54043
9-10	DEAD+LIVE	0.79860	0.01811	0.06033	-0.79860	-0.01811	0.12073
9-10	DEAD+SEISMIC	0.30551	0.11466	0.57220	-0.30551	-0.11466	0.57445



STRUCTURAL SYSTEMS  
 2221 Claremont Rd.  
 Carmichael, CA 95608  
 Tel. (916) 488-7654

Title : MCA-HEADSTART  
 Job # :  
 Description... Dsgnr: G&M.P. Date: 2/25/00

P05

1:15AM, 25 FEB 00

FastFrame 2-D Frame Analysis

V 5.0.8 -

Page 5

Steel Stress Checks...

Member Label	Load Combination	Overall Maximum	@ Left End	1/4 Span	1/2 Span	3/4 Span	@ Right End	Shear
1-2	DEAD	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-2	LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-2	SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-2	DEAD+LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-2	DEAD+SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-4	DEAD	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-4	LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-4	SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-4	DEAD+LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2-4	DEAD+SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3-4	DEAD	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3-4	LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3-4	SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3-4	DEAD+LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3-4	DEAD+SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4-6	DEAD	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4-6	LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4-6	SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4-6	DEAD+LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4-6	DEAD+SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5-6	DEAD	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5-6	LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5-6	SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5-6	DEAD+LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5-6	DEAD+SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6-8	DEAD	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6-8	LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6-8	SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6-8	DEAD+LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6-8	DEAD+SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7-8	DEAD	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7-8	LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7-8	SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7-8	DEAD+LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7-8	DEAD+SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8-10	DEAD	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8-10	LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8-10	SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8-10	DEAD+LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8-10	DEAD+SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9-10	DEAD	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9-10	LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9-10	SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9-10	DEAD+LIVE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9-10	DEAD+SEISMIC	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Member Overall Envelope Summary

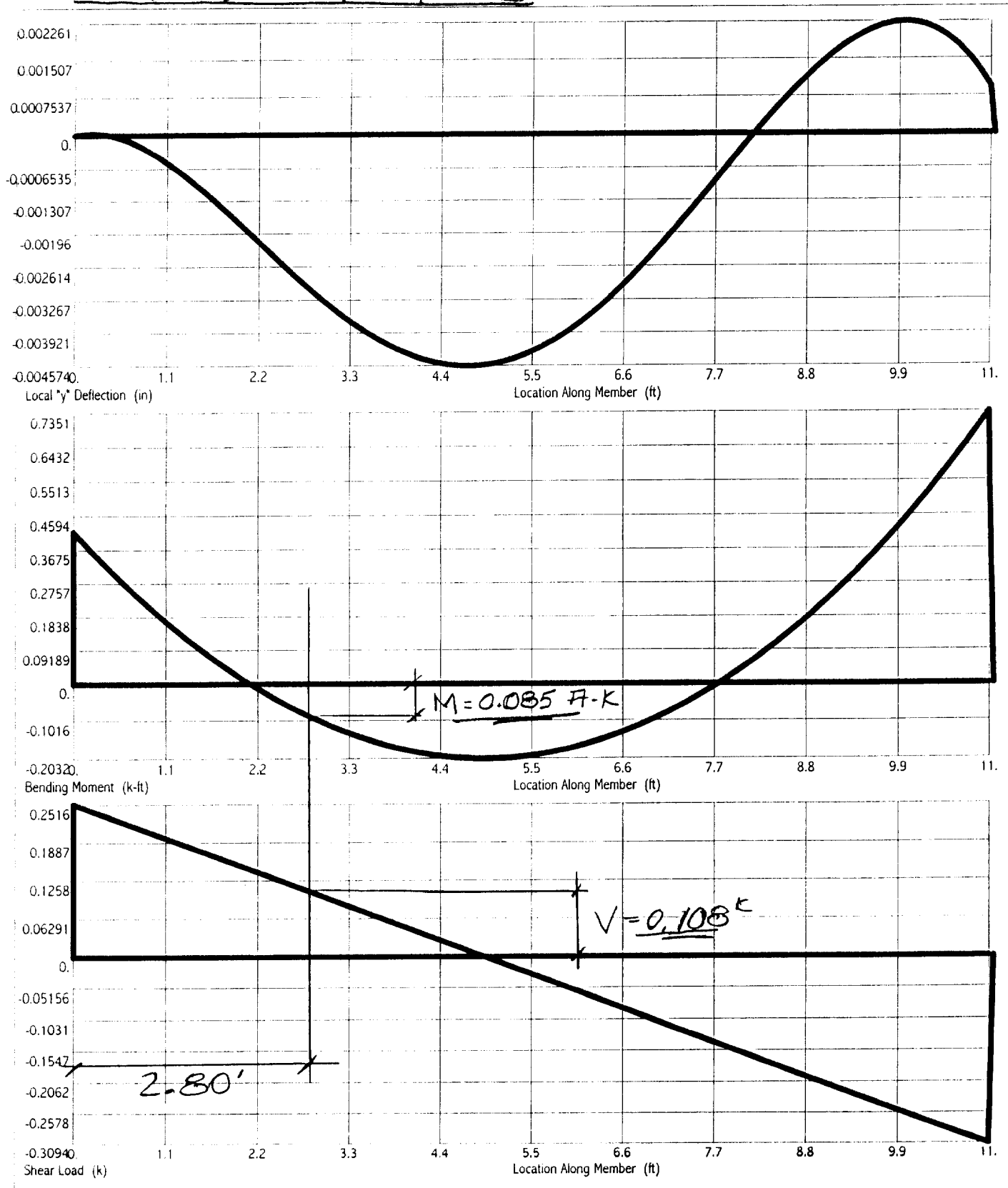
Member Label	Section	Axial k	Shear k	Moment ft-k	Deflection in	Maximum Stress Ratio
1-2	TypCol	0.799	0.110	0.557	0.822	
2-4	DF4X10	0.453	1.192	2.287	0.087	
3-4	TypCol	2.246	0.114	0.573	0.822	
4-6	DF4X10	0.339	1.054	2.259	0.022	
5-6	TypCol	1.875	0.112	0.564	0.820	
6-8	DF4X10	0.227	1.054	2.259	0.026	
7-8	TypCol	2.246	0.113	0.567	0.820	
8-10	DF4X10	0.115	1.192	2.287	0.074	
9-10	TypCol	0.799	0.115	0.574	0.820	

--> Deflection values listed are the maximum of a sampling of 31 points across the member

MCA-HEAD START  
7501 FRANKLIN BLVD  
SAC

P06

DEFLECTION, MOMENT & SHEAR DIAGRAMS (DEAD + SEISMIC LOADING)  
FOR MEMBERS 4-6 & 6-8



MCA - HEADSTART  
7501 FRANKLIN BLVD  
SAC

PO 7

# DEFLECTION, MOMENT & SHEAR DIAGRAMS (DEAD + LIVE LOADING) FOR MEMBERS 4-6, & 6-8

