Mon Jul 22 18:48:49 1996 S3-V18B2\ST404.PRF J:\PLOTS\QUEUES\V18B2\ST404.PRF

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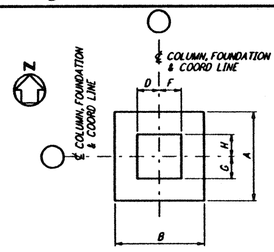
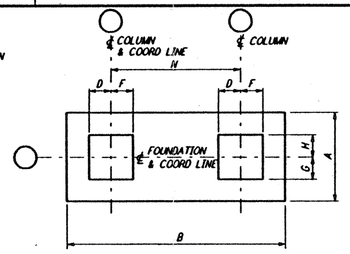
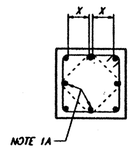


PLAN - TYPE A



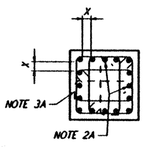
PLAN - TYPE B

4 - BARS
TYPE A

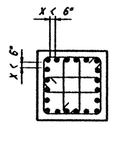


8 - BARS
TYPE B

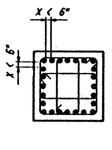
12 - BARS
TYPE C



16 - BARS
TYPE D

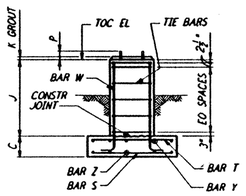


20 - BARS
TYPE E

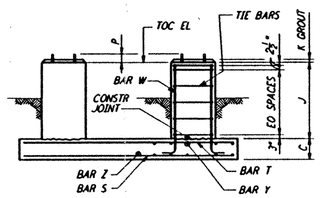


24 - BARS
TYPE F

TIE ARRANGEMENT TYPE



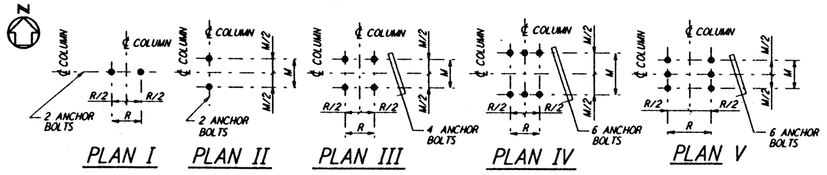
ELEV - TYPE 1



ELEV - TYPE 2

TIE REINFORCEMENT NOTES:

1A. THESE BARS MUST BE TIED AS SHOWN BY DASHED LINES WHEN X DISTANCE IS OVER 6 INCHES.
2A. THESE BARS NEED NOT BE TIED WHEN X DISTANCE IS 6 INCHES OR LESS.
3A. ALTERNATE 90° HOOKS IN COLUMNS.



PLAN I PLAN II PLAN III PLAN IV PLAN V

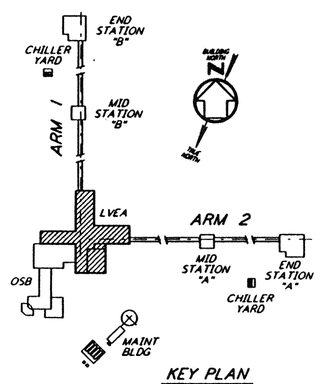
ANCHOR BOLT PLAN

FOUNDATION NO OF FDNS REQD	FOUNDATION LOCATION (COL LINES)	TOP OF CONC EL	FOUNDATION TYPE PLAN	FOUNDATION TYPE ELEV	DIMENSIONS A	B	C	D	F	G	H	J	K	M	R	N	ANCHOR BOLTS ANCHOR BOLT PLAN	TYPE	NO PER PIER	SIZE D	L	P	REINFORCING PER FOUNDATION BAR S NO	BAR S SIZE	BAR Z NO	BAR Z SIZE	BAR T NO	BAR T SIZE	BAR Y NO	BAR Y SIZE	BAR W NO	BAR W SIZE	TIE BAR TYPE	TIE BAR SIZE	TIE BAR NO REQD	CONC CY	FDN LOC PLAN	REMARKS
1	K-6	100'-0"	A	1	5'-0"	5'-0"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	—	III	2	4	1"	1'-4"	4"	6	#5	6	#5	6	#5	6	#5	8	#6	B	#4	4	1.1	LA-S-101	
1	K-5	100'-0"	A	1	5'-0"	5'-0"	1'-0"	10"	1'-4½"	10"	10"	1'-8"	1"	7"	7"	—	III	2	4	1"	1'-4"	4"	6	#5	6	#5	6	#5	6	#5	8	#6	B	#4	4	1.12	LA-S-101	
1	P-7	100'-0"	A	1	5'-0"	5'-0"	1'-0"	10"	10"	1'-4½"	10"	1'-8"	1"	7"	7"	—	III	2	4	1"	1'-4"	4"	6	#5	6	#5	6	#5	6	#5	8	#6	B	#4	4	1.1	LA-S-101	
1	L-5	100'-0"	B	2	7'-0"	27'-0"	2'-0"	11"	1'-4½"	11"	11"	2'-0"	1"	7"	7"	20'-0"	III	2	4	1½"	2'-6"	6"	9	#6	32	#6	9	#6	32	#6	8	#6	B	#4	4	15.0	LA-S-101	
1	M-5	100'-0"						11"	1'-4½"	11"	11"	2'-0"	1"	7"	7"		III	2	4	1½"	2'-6"	6"									8	#6	B	#4	4			
1	N-5	100'-0"	—	—	—	—	—	11"	1'-4½"	11"	11"	2'-0"	1"	7"	7"	—	III	2	4	1½"	2'-6"	6"	—	—	—	—	—	—	—	—	8	#6	B	#4	4	26.0	LA-S-101	FOR ADDITIONAL INFORMATION SEE FDN LOCATION PLAN
1	P-5	100'-0"						11"	1'-4½"	1'-4½"	11"	2'-0"	1"	7"	7"		III	2	4	1½"	2'-6"	6"									8	#6	B	#4	4			
1	P-6							11"	11"	1'-4½"	11"	2'-0"	1"	7"	7"		III	2	4	1½"	2'-6"	6"									8	#6	B	#4	4			
1	A-8.7, A-9.7, A-10, B-7, B-10, C-7, C-10, D-7, D-10, E-7, E-10, G-2, G-3, G-4, G-5, H-12, H-13, H-14, H-15, H.7-1, L.7-1, J-1, J-2, J-3, J-4, J-5, J-12, J-13, J-14, J-15, J-16, K-10, M-8, M-10, P-10		—	—	—	—	—	—	—	—	—	—	—	1"	7"	7"	—	III	2	4	1"	1'-4"	4"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	LA-S-101	FOR ADDITIONAL INFORMATION SEE FDN LOCATION PLAN
1	A-7, A-8, F-7, F-10 G-1, G-6, G-7, G-10, H-1, H-10, H-11, H-16, I-16, J-6, J-7, J-10 J-11, K-7 K-8, L-8, L-10, M-8, M-10, P-8, P-9,		—	—	—	—	—	—	—	—	—	—	—	1"	7"	7"	—	III	2	4	1½"	2'-6"	6"	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

LVEA - CORNER STATION (FOR 2 INTERFEROMETER DESIGN)

NOTES:

1. CONSTRUCTION SHALL COMPLY WITH ALL THE REQUIREMENTS OF THE GENERAL NOTES ON DRAWING LA-S-001.
2. THE BAR SPACING IS BASED ON CENTER TO CENTER OF TIE SET.
3. FOR ANCHOR BOLT DETAILS SEE DETAIL 1/W-S-003



KEY PLAN

REFERENCES DRAWING NO.	DESCRIPTION

REVISIONS NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
B	7-24-96	MCS	DDM	BP	TDM	ISSUED FOR BID
A	6-14-96	MCS	DDM	BP	TDM	FINAL DESIGN REVIEW

DRAWN	MCS
CHECKED	
ENGINEER	
PROJ	

PARSONS
100 WEST WALNUT STREET
PASADENA, CALIFORNIA

LIGO
CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER
GRAVITATIONAL-WAVE OBSERVATORY
SITE NO. 2 - LIVINGSTON, LOUISIANA

TITLE: STRUCTURAL CORNER STATION - LVEA FOUNDATION SCHEDULE AND DETAILS

SCALE	CONTRACT NUMBER	PROJECT NUMBER
NONE	PP150969	8094

SHEET NUMBER: LA-S-404 REVISIONS: B

LIGO-D960956-B-O

LIGOLAF.BDR