DATE: 10/24:96 TIME: 12:30:34
DESIGN FILE: I:\ligo\site2\st\las404.dgz

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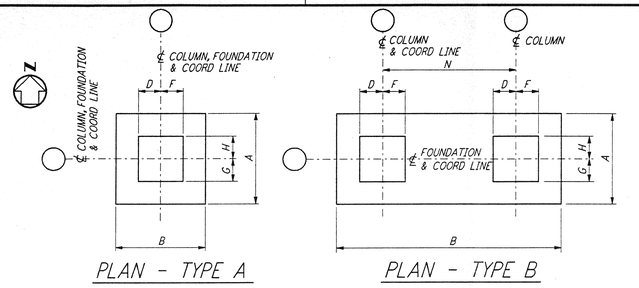
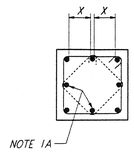


PLAN - TYPE A

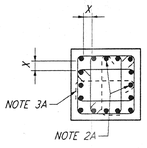
PLAN - TYPE B

4 - BARS
TYPE A

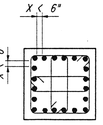


8 - BARS
TYPE B

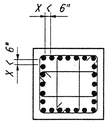
12 - BARS
TYPE C



16 - BARS
TYPE D



20 - BARS
TYPE E

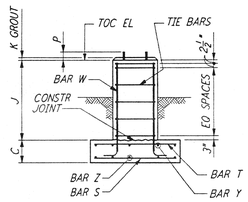


24 - BARS
TYPE F

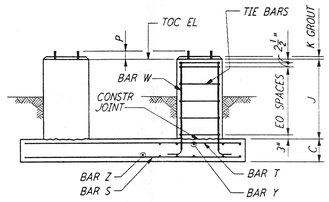
TIE ARRANGEMENT TYPE

TIE REINFORCEMENT NOTES:

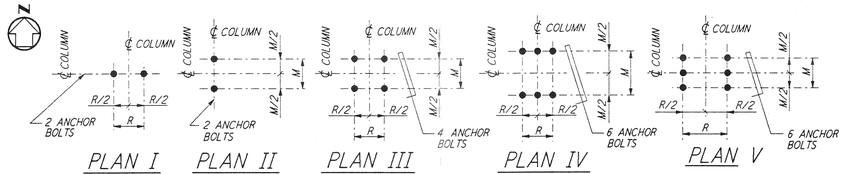
1A. THESE BARS MUST BE TIED AS SHOWN BY DASHED LINES WHEN X DISTANCE IS OVER 6 INCHES.
2A. THESE BARS NEED NOT BE TIED WHEN X DISTANCE IS 6 INCHES OR LESS.
3A. ALTERNATE 90° HOOKS IN COLUMNS.



ELEV - TYPE 1



ELEV - TYPE 2



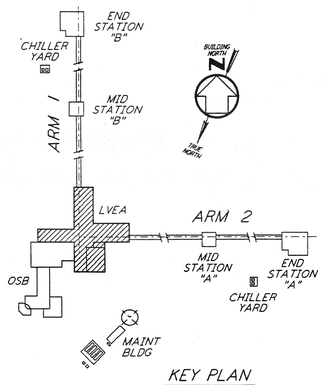
PLAN I | PLAN II | PLAN III | PLAN IV | PLAN V

ANCHOR BOLT PLAN

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

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 Ø	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	
	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			
LVEA - CORNER STATION (FOR 2 INTERFEROMETER DESIGN) 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			
	P-5	100'-0"	—	—	—	—	—	11"	1'-4½"	11"	11"	2'-0"	1"	7"	7"	—	III	2	4	1½"	2'-6"	6"	—	—	—	—	—	—	—	—	8	#7	B	#4	4	26.0	LA-S-101	FOR ADDITIONAL INFORMATION SEE FDN LOCATION PLAN
	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, I, 7-1, J-1, J-2, J-3, J-4, J-5, J-12, J-13, J-14, J-15, J-16, K-10, N-8, N-10, P-10	—	—	—	—	—	—	—	—	—	—	—	—	1"	7"	7"	—	III	2	4	1"	1'-4"	4"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	LA-S-101	FOR ADDITIONAL INFORMATION SEE FDN LOCATION PLAN
	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"	—	—	—	—	—	—	—	—	—	—	—	—	—	—			



KEY PLAN

REFERENCES DRAWING NO.	DESCRIPTION

REVISIONS NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION		
DRAWN	MCS	11-15-96
CHECKED	BGM	11-15-96
ENGINEER	RP	11-15-96
PROJ	SCOTT	11/15/96

STATE OF LOUISIANA
DANIEL A. LAVERIERE
REG. NO. 24627
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
11-13-96

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 0

LIGO-D960956-00-0

LIGOLAF.BOR