DATE: 07/06/98 TIME: 16:56:30
DESIGN FILE: I:\ligo\site1\st\was519.dgz

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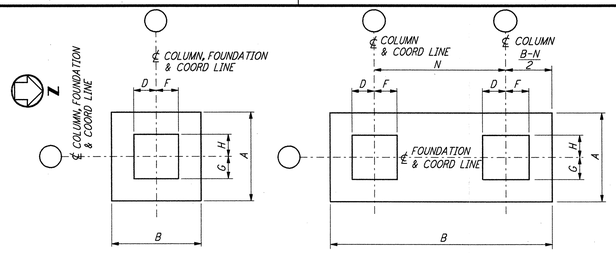
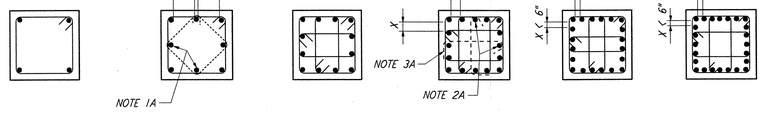


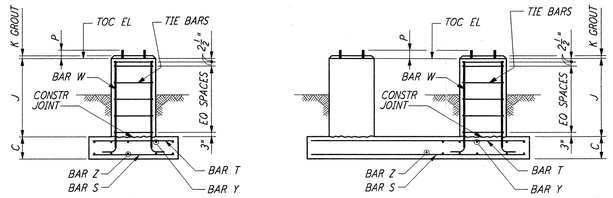
PLAN - TYPE A

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

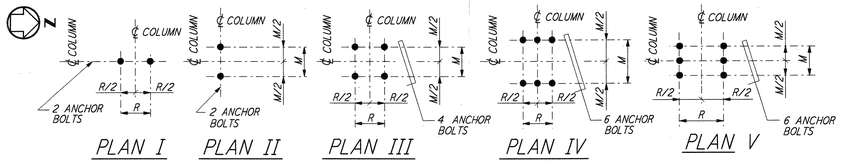


ELEV - TYPE 1

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

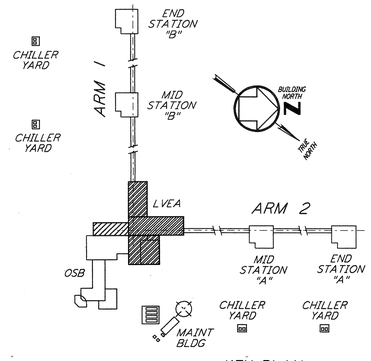
ANCHOR BOLT PLAN

NOTES:

1. CONSTRUCTION SHALL COMPLY WITH ALL THE REQUIREMENTS OF THE GENERAL NOTES ON DRAWING WA-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 ∅	L	P	REINFORCING PER FOUNDATION BAR S NO	SIZE	BAR Z NO	SIZE	BAR T NO	SIZE	BAR Y NO	SIZE	BAR W NO	SIZE	TIE BAR TYPE	SIZE	NO REQD	CONC CY	FDN LOC PLAN	REMARKS
1	K-5	100'-0"	A	1	5'-9"	5'-9"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	——	III	2	4	1"	1'-4"	4"	7	#5	7	#5	7	#5	7	#5	8	#6	B	#4	4	1.3	WA-S-501	
1	K-4	100'-0"	A	1	5'-9"	5'-9"	1'-0"	10"	1'-4½"	10"	10"	1'-8"	1"	7"	7"	——	III	2	4	1"	1'-4"	4"	7	#5	7	#5	7	#5	7	#5	8	#6	B	#4	4	1.3	WA-S-501	
1	P-6	100'-0"	A	1	5'-9"	5'-9"	1'-0"	10"	10"	1'-4½"	10"	1'-8"	1"	7"	7"	——	III	2	4	1"	1'-4"	4"	7	#5	7	#5	7	#5	7	#5	8	#6	B	#4	4	1.3	WA-S-501	
1	P-7	100'-0"	A	1	5'-9"	5'-9"	1'-0"	10"	10"	1'-4½"	10"	1'-8"	1"	7"	7"	——	III	2	4	1"	1'-4"	4"	7	#5	7	#5	7	#5	7	#5	8	#6	B	#4	4	1.3	WA-S-501	
1	L-4	100'-0"	B	2	8'-0"	28'-0"	2'-0"	1'-0"	1'-4½"	1'-0"	1'-0"	2'-0"	1"	7"	7"	20'-0"	III	2	4	1½"	2'-6"	6"	10	#6	33	#6	10	#6	33	#6	8	#6	B	#4	4	16.8	WA-S-501	
	M-4	100'-0"						1'-0"	1'-4½"	1'-0"	1'-0"	2'-0"	1"	7"	7"		III	2	4	1½"	2'-6"	6"									8	#6	B	#4	4			
1	N-4	100'-0"						1'-0"	1'-4½"	1'-0"	1'-0"	2'-0"	1"	7"	7"		III	2	4	1½"	2'-6"	6"									8	#6	B	#4	4			
	P-4	100'-0"	—	—	—	—	—	1'-0"	1'-4½"	1'-4½"	1'-0"	2'-0"	1"	7"	7"	—	III	2	4	1½"	2'-6"	6"	—	—	—	—	—	—	—	—	8	#7	B	#4	4	28.7	WA-S-501	FOR ADDITIONAL INFORMATION SEE FDN LOCATION PLAN
	P-5	100'-0"						1'-0"	1'-0"	1'-4½"	1'-0"	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-6, B-10, C-6, C-10, F-3, F-2, G-10, H-13, H-14, H-15, H, 7-1, I, 7-1, J-1, J-2, J-3, J-6, J-14, J-15, K-6, K-10, N-8, P-10	—	—	—	—	—	—	—	—	—	—	—	1"	7"	7"	—	III	2	4	1"	1'-4"	4"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	WA-S-501	FOR ADDITIONAL INFORMATION SEE FDN LOCATION PLAN
1	A-6, A-7, A-8, D-6, D-10, E-6, E-10, F-1, F-4, F-5, F-6, F-10, G-1, H-1, H-10, H-11, H-12, H-16, I-16, J-4, J-5, J-10, J-11, J-12, J-13, J-16, K-7, K-8, L-8, L-10, M-8, M-10, N-10 P-8, P-9,	—	—	—	—	—	—	—	—	—	—	—	1"	7"	7"	—	III	2	4	1½"	2'-6"	6"	—	—	—	—	—	—	—	—	—	—	—	—	—	—			

LVEA - CORNER STATION (FOR 3 INTERFEROMETER DESIGN)



KEY PLAN

LIGO-D960340-01-O

REFERENCES		REVISIONS							
		1	6-15-98	CKT	BP	BP	PP	ISSUED FOR AS-BUILT	
DRAWING NO.	DESCRIPTION	NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION	

ISSUED FOR CONSTRUCTION		
DRAWN	MCS	6-24-96
CHECKED	DDM	7-2-96
ENGINEER	BP	6-28-96
PROJ	MDW	7-9-96

AS-BUILT DRAWINGS

PARSONS
100 WEST WALNUT STREET
PASADENA, CALIFORNIA

LIGO
CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY
SITE NO. 1 - HANFORD, WASHINGTON

TITLE
STRUCTURAL
CORNER STATION
LVEA FOUNDATION SCHEDULE

SCALE	CONTRACT NUMBER	PROJECT NUMBER
NONE	PP150969	8094

SHEET NUMBER **WA-S-519** REVISIONS 1

LIGOWAF.BDR

Mon Jul 06 16:56:07 1998 C:\PLOT\GUES3-V36B2.CF 52085 K:\V36B2\st519.prf