DATE: 06/26:96 TIME: 16:53:42
DESIGN FILE: I:\ligo\site1\st\was519.dgz

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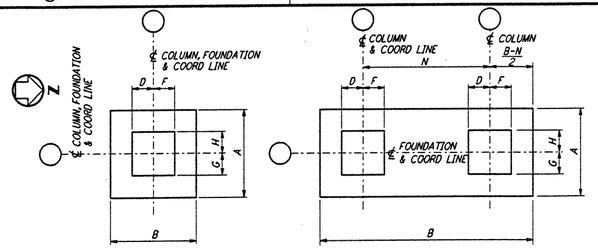
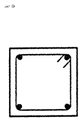
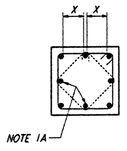


PLAN - TYPE A

PLAN - TYPE B



4 - BARS
TYPE A



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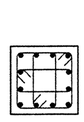

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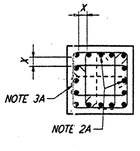
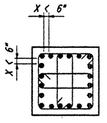
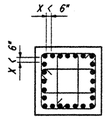


16 - BARS
TYPE D



20 - BARS
TYPE E

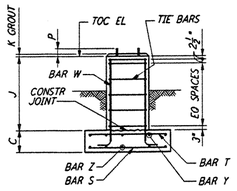


24 - BARS
TYPE F

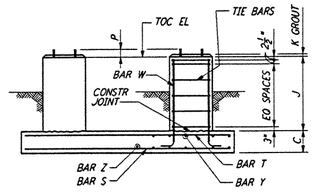
TIE ARRANGEMENT TYPE

TIE REINFORCEMENT NOTES:

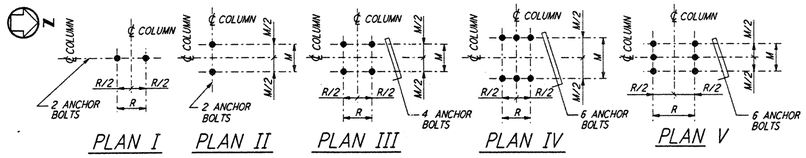
1A. THESE BARS MUST BE TIED AS SHOWN BY DASHED LINES WHEN X DISTANCE IS OVER 6 INCHES.
2A. THESE BARS NEED NOT BE TIED WHEN X DISTANCE IS 6 INCHES OR LESS.
3A. ALTERNATE 90° HOOKS IN COLUMNS.



ELEV - TYPE 1



ELEV - TYPE 2



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

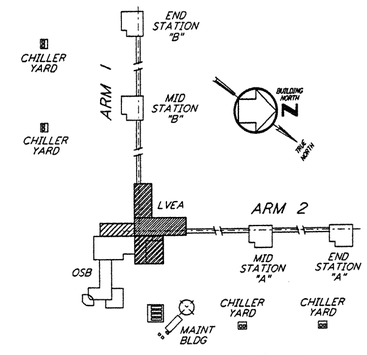
ANCHOR BOLT PLAN

FOUNDATION		TOP OF CONC EL	FOUNDATION TYPE		DIMENSIONS												ANCHOR BOLTS						REINFORCING PER FOUNDATION														CONC CY	FDN LOC PLAN	REMARKS
NO OF FDNS REQD	LOCATION (COL LINES)		PLAN	ELEV	A	B	C	D	F	G	H	J	K	M	R	N	ANCHOR BOLT PLAN	TYPE	NO PER PIER	SIZE Ø	L	P	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			
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"	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-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	28.7	WA-S-501	FOR ADDITIONAL INFORMATION SEE FDN LOCATION PLAN
	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			
	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-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-9, M-10, N-10 P-8, P-9,		—	—	—	—	—	—	—	—	—	—	1"	7"	7"	—	III	2	4	1½"	2'-6"	6"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	WA-S-501	FOR ADDITIONAL INFORMATION SEE FDN LOCATION PLAN

LVEA - CORNER STATION
(FOR 3 INTERFEROMETER DESIGN)

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



KEY PLAN

REFERENCES			REVISIONS						
DRAWING NO.	DESCRIPTION		NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION		
DRAWN	MCS	6-24-96
CHECKED	[illegible]	7-2-96
ENGINEER	[illegible]	6-27-96
PROJ	[illegible]	7-19-96

STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 10-24-96

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: 0

LIGO-D960340-00-O 1 — LIGOWAF.BDR

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Wed Jun 26 16:53:13 1996 J:\PLOTS\MBL\D3VP_3905\D3VP3905.PRF