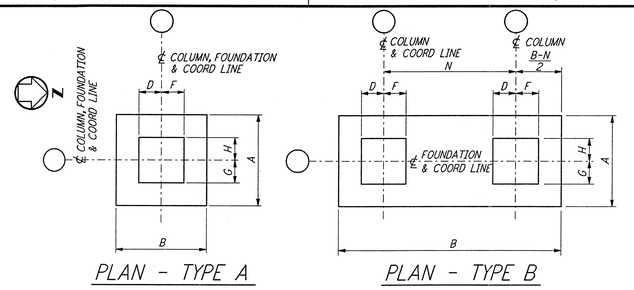
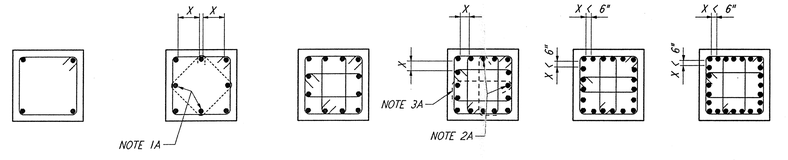
This document and the design it covers are the property of **PARSONS**. They are loaned only with the borrower's expressed written agreement that they will not be reproduced, copied, loaned, exhibited, or used in any other way, except by written consent from **PARSONS** to the borrower.

DATE: 04/09:96 TIME: 20:20:57
DESIGN FILE: I:\ligo\site1\st\was519.dgz



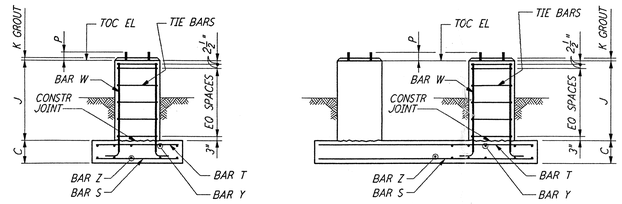
PLAN - TYPE A

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

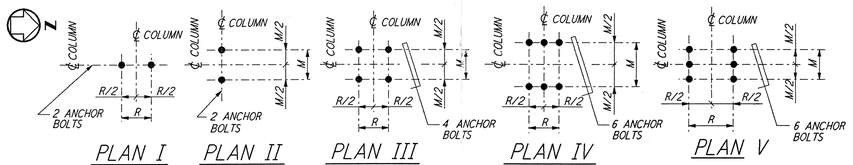


ELEV - TYPE 1

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

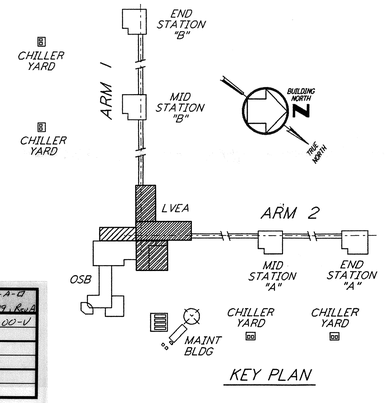
ANCHOR BOLT PLAN

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	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-5	100'-0"	A	1	5'-9"	5'-9"	1'-0"	10"	10"	10"	1'-8"	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			
1	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"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	WA-S-501	FOR ADDITIONAL INFORMATION SEE FDN LOCATION PLAN

LVEA - CORNER STATION (FOR 3 INTERFEROMETER DESIGN)



KEY PLAN

Date Received: 4-19-96	LIGO- D960340-A-D Contractor #: WA-S-519 Rev B
TIM #: 88	LIGO- C 960857-00-V
Date: 4/19/96	Approved:
TDM #:	LIGO-
Date: / /	Approved:
Gen'l Transmittal	LIGO-
Date: / /	Approved:

REFERENCES DRAWING NO.	DESCRIPTION

REVISIONS NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
A	4-19-96	MCS	DDM	PP	FINAL DESIGN REVIEW & BID

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. 1 - HANFORD, WASHINGTON

TITLE
STRUCTURAL CORNER STATION LVEA FOUNDATION SCHEDULE

SCALE	CONTRACT NUMBER	PROJECT NUMBER
NONE	PP150969	8094

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

LIGO-D960340-A-D

LIGOWAF.BDR

Tue Apr 09 20:20:13 1996 S:\PLOTS\OUEUES\V3B82\STSYSPMF