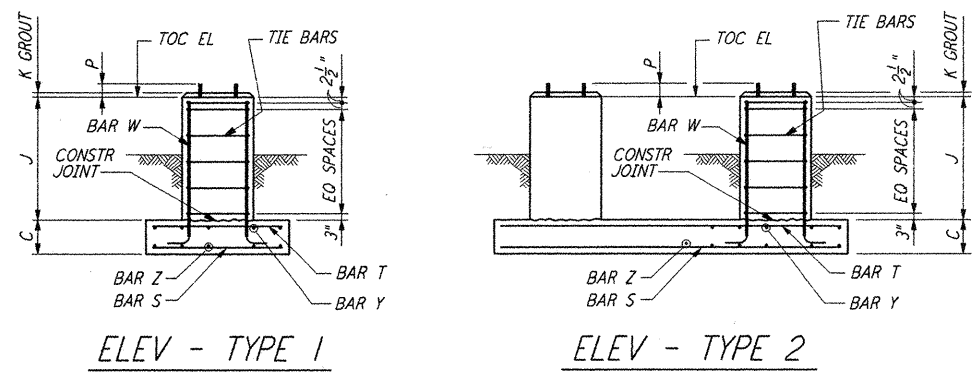
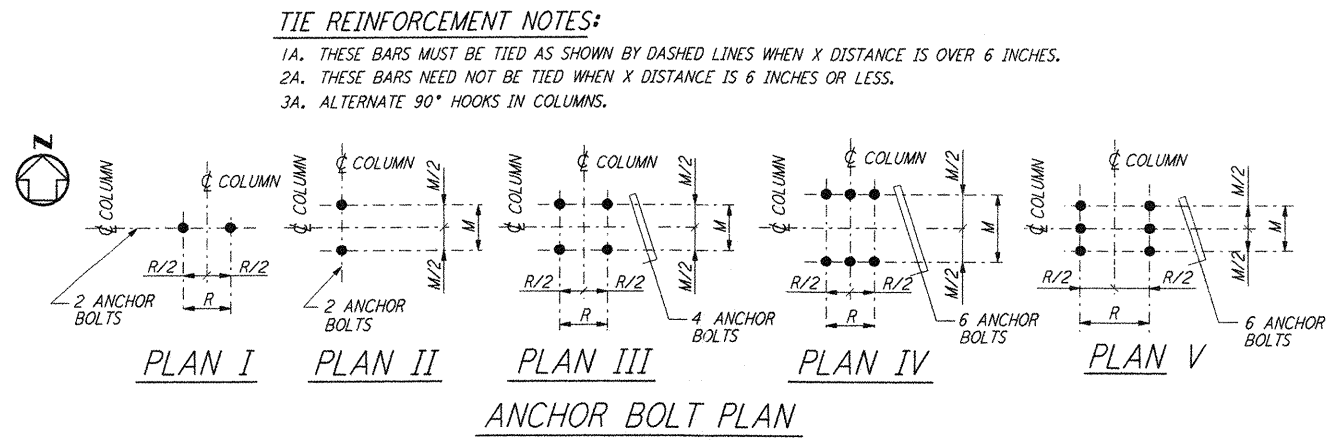


4 - BARS TYPE A  
 8 - BARS TYPE B  
 12 - BARS TYPE C  
 16 - BARS TYPE D  
 20 - BARS TYPE E  
 24 - BARS TYPE F  
 TIE ARRANGEMENT TYPE

**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 DRAWING LA-S-003.



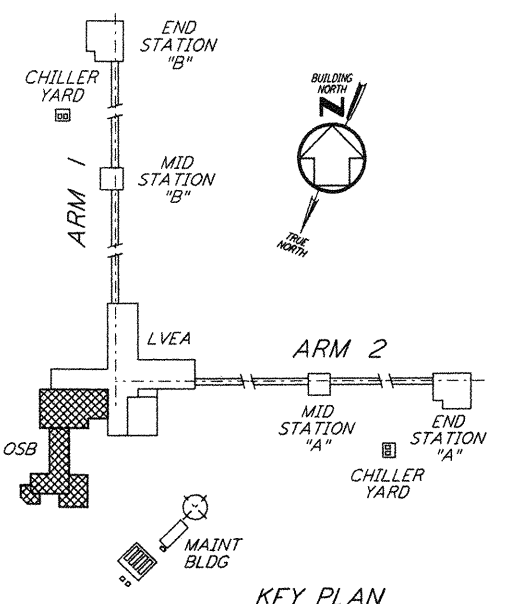
ELEV - TYPE 1  
 ELEV - TYPE 2



**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

NO. OF FONS RECD	FOUNDATION LOCATION (COL LINES)	TOP OF CONC EL	FOUNDATION TYPE	DIMENSIONS														ANCHOR BOLTS PER PIER					REINFORCING PER FOUNDATION						CONC CY	FDN LOC PLAN	REMARKS						
				PLAN	ELEV	A	B	C	D	F	G	H	J	K	M	R	N	ANCHOR BOLT PLAN	TYPE	NO PER PIER	SIZE D	L	P	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 RECD			
1	L.3-16.3	100'-0"	A	I	4'-6"	4'-6"	1'-0"	10"	10"	10"	10"	2'-6"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	5	#5	5	#5	5	#5	5	#5	8	#6	B	#4	5	1.0	LA-S-102
1	L.3-15.3	100'-0"	A	I	4'-6"	4'-6"	1'-0"	10"	10"	10"	10"	2'-6"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	5	#5	5	#5	5	#5	5	#5	8	#6	B	#4	5	1.0	LA-S-102
1	N.3-15.3	100'-0"	A	I	4'-6"	4'-6"	1'-0"	10"	10"	10"	10"	2'-6"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	5	#5	5	#5	5	#5	5	#5	8	#6	B	#4	5	1.0	LA-S-102
1	V-15.3	100'-0"	A	I	4'-6"	4'-6"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	5	#5	5	#5	5	#5	5	#5	8	#6	B	#4	4	1.0	LA-S-102
1	J.3-14.3	100'-0"	A	I	4'-0"	4'-8"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	5	#5	5	#5	5	#5	5	#5	8	#6	B	#4	4	1.0	LA-S-102
1	L.3-14.3	100'-0"	A	I	4'-6"	4'-6"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	5	#5	5	#5	5	#5	5	#5	8	#6	B	#4	4	1.0	LA-S-102
1	J.3-13.3	100'-0"	A	I	4'-0"	4'-8"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	5	#5	5	#5	5	#5	5	#5	8	#6	B	#4	4	1.0	LA-S-102
1	K.3-13.3	100'-0"	A	I	4'-6"	4'-6"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	5	#5	5	#5	5	#5	5	#5	8	#6	B	#4	4	1.0	LA-S-102
1	L.3-13.3	100'-0"	A	I	4'-6"	4'-6"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	5	#5	5	#5	5	#5	5	#5	8	#6	B	#4	4	1.0	LA-S-102
1	M.3-13.3	100'-0"	A	I	4'-6"	4'-6"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	5	#5	5	#5	5	#5	5	#5	8	#6	B	#4	4	1.0	LA-S-102
1	L.3-12.3	100'-0"	A	I	4'-6"	4'-6"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	5	#5	5	#5	5	#5	5	#5	8	#6	B	#4	4	1.0	LA-S-102
1	K.3-11.3	100'-0"	A	I	4'-6"	4'-6"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	5	#5	5	#5	5	#5	5	#5	8	#6	B	#4	4	1.0	LA-S-102
1	L.3-11.3	100'-0"	A	I	4'-6"	4'-6"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	5	#5	5	#5	5	#5	5	#5	8	#6	B	#4	4	1.0	LA-S-102
1	L.3-17	100'-0"	A	I	5'-0"	5'-0"	1'-0"	10"	10"	10"	10"	2'-6"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	6	#5	6	#5	6	#5	6	#5	8	#6	B	#4	5	1.2	LA-S-102
1	M.3-17	100'-0"	A	I	5'-0"	5'-0"	1'-0"	10"	10"	10"	10"	2'-6"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	6	#5	6	#5	6	#5	6	#5	8	#6	B	#4	5	1.2	LA-S-102
1	N.3-17	100'-0"	A	I	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	1.2	LA-S-102
1	N.3-16.3	100'-0"	A	I	5'-0"	5'-0"	1'-0"	10"	10"	10"	10"	2'-6"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	6	#5	6	#5	6	#5	6	#5	8	#6	B	#4	5	1.2	LA-S-102
1	P.3-16.3	100'-0"	A	I	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	1.2	LA-S-102
1	R-16.3	100'-0"	A	I	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	1.2	LA-S-102
1	S-16.3	100'-0"	A	I	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	1.2	LA-S-102
1	W-16.3	100'-0"	A	I	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	1.2	LA-S-102
1	R-14.3	100'-0"	A	I	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	1.2	LA-S-102
1	S-14.3	100'-0"	A	I	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	1.2	LA-S-102
1	T-14.3	100'-0"	A	I	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	1.2	LA-S-102
1	U-14.3	100'-0"	A	I	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	1.2	LA-S-102
1	V-14.3	100'-0"	A	I	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	1.2	LA-S-102
1	M.3-12.3	100'-0"	A	I	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	1.2	LA-S-102
1	N.3-12.3	100'-0"	A	I	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	1.2	LA-S-102
1	M.6-10.3	100'-0"	A	I	3'-0"	3'-0"	1'-0"	10"	10"	10"	10"	1'-8"	1"	1'-0"	1'-0"	---	III	2	4	1"	1'-4"	4"	4	#5	4	#5	-	-	-	8	#6	B	#4	4	0.5	LA-S-102	
1	M.6-11.3	100'-0"	A	I	3'-0"	3'-0"	1'-0"	10"	10"	10"	10"	1'-8"	1"	1'-0"	1'-0"	---	III	2	4	1"	1'-4"	4"	4	#5	4	#5	-	-	-	8	#6	B	#4	4	0.5	LA-S-102	
1	V.1-18.4	100'-0"	A	I	---	---	---	10"	10"	10"	10"	1'-8"	1"	8"	1'-0"	---	III	2	4	1"	1'-4"	4"	-	-	-	-	-	-	8	#6	B	#4	4	0.5	LA-S-102		
1	W-18.4	100'-0"	A	I	3'-0"	3'-0"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	4	#5	4	#5	-	-	-	8	#6	B	#4	4	0.5	LA-S-102	
1	W.4-17.1	100'-0"	A	I	---	---	---	10"	10"	10"	10"	1'-8"	1"	1'-0"	8"	---	III	2	4	1"	1'-4"	4"	-	-	-	-	-	-	8	#6	B	#4	4	0.5	LA-S-102		
1	W.4-18	100'-0"	A	I	3'-0"	3'-0"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	---	III	2	4	1"	1'-4"	4"	4	#5	4	#5	-	-	-	8	#6	B	#4	4	0.5	LA-S-102	



KEY PLAN  
 LIGO-D960954-01-0

ISSUED FOR CONSTRUCTION  
 DRAWN MCS 11-15-96  
 CHECKED DDM 11-15-96  
 ENGINEER BP 11-15-96  
 PROJ TDM 11-15-96

AS-BUILT DRAWINGS

**PARSONS**  
 100 WEST WALNUT STREET  
 PASADENA, CALIFORNIA

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 CALIFORNIA INSTITUTE OF TECHNOLOGY  
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER  
 GRAVITATIONAL-WAVE OBSERVATORY  
 SITE NO. 2 - LIVINGSTON, LOUISIANA  
 TITLE STRUCTURAL CORNER STATION - OSB FOUNDATION SCHEDULE AND DETAILS SHEET I  
 SCALE NONE  
 SHEET NUMBER PP150969  
 REVISIONS 8094  
**LA-S-402**

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NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	08-07-98	WA	BP	BP	WV	ISSUED FOR AS-BUILT