Mon Jul 22 18:44:05 1996 S3-V18B2 J:\PLOTS\QUEUES\V18B2\ST402.PRF

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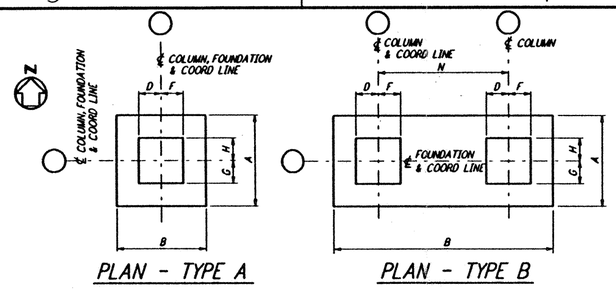
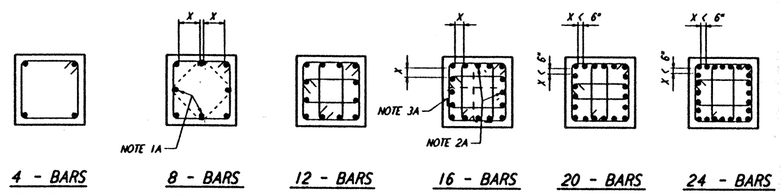


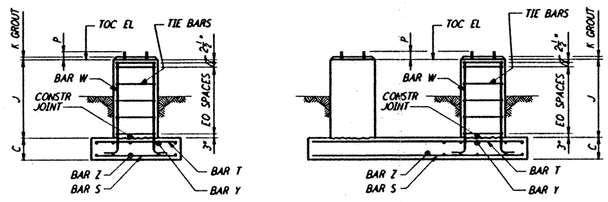
PLAN - TYPE A

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

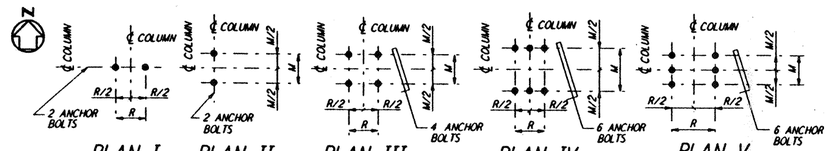


ELEV - TYPE 1

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.



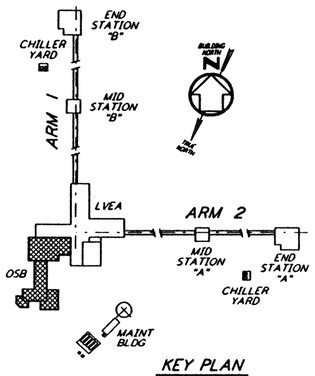
PLAN I | PLAN II | PLAN III | PLAN IV | PLAN V

ANCHOR BOLT PLAN

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 PER PIER 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
OSB - CORNER STATION																																											
1	L.3-16.3	100'-0"	A	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	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	1	4'-6"	4'-5"	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	#5	B	#4	4	1.0	LA-S-102	
1	L.3-11.3	100'-0"	A	1	4'-6"	4'-5"	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	#5	B	#4	4	1.0	LA-S-102	
1	L.3-17	100'-0"	A	1	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	#5	B	#4	5	1.2	LA-S-102	
1	M.3-17	100'-0"	A	1	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	#5	B	#4	5	1.2	LA-S-102	
1	N.3-17	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	#5	B	#4	4	1.2	LA-S-102	
1	N.3-16.3	100'-0"	A	1	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	#5	B	#4	5	1.2	LA-S-102	
1	P.3-16.3	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	#5	B	#4	4	1.2	LA-S-102	
1	R-16.3	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	#5	B	#4	4	1.2	LA-S-102	
1	S-16.3	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	#5	B	#4	4	1.2	LA-S-102	
1	W-16.3	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	1.2	LA-S-102	
1	R-14.3	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	1.2	LA-S-102	
1	S-14.3	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	1.2	LA-S-102	
1	T-14.3	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	1.2	LA-S-102	
1	U-14.3	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	1.2	LA-S-102	
1	V-14.3	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	1.2	LA-S-102	
1	M.3-12.3	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	1.2	LA-S-102	
1	N.3-12.3	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	1.2	LA-S-102	
1	M.6-10.3	100'-0"	A	1	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	1	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	1	—	—	—	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	FOR ADDL INFO SEE P/LA-S-405
1	W-18.4	100'-0"	A	1	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	1	—	—	—	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	FOR ADDL INFO SEE P/LA-S-405
1	W.4-18	100'-0"	A	1	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	

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.



KEY PLAN

REFERENCES

DRAWING NO.	DESCRIPTION

REVISIONS

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
B	7-24-96	MCS	RTM	BP	TDM	ISSUED FOR BID
A	6-14-96	MCS	DDM	BP	TDM	FINAL DESIGN REVIEW

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. 2 - LIVINGSTON, LOUISIANA

TITLE: STRUCTURAL CORNER STATION - OSB FOUNDATION SCHEDULE AND DETAILS SHEET 1

SCALE	CONTRACT NUMBER	PROJECT NUMBER
NONE	PP150969	8094

SHEET NUMBER: LA-S-402 REVISIONS: B

LIGO-D960954-B-O