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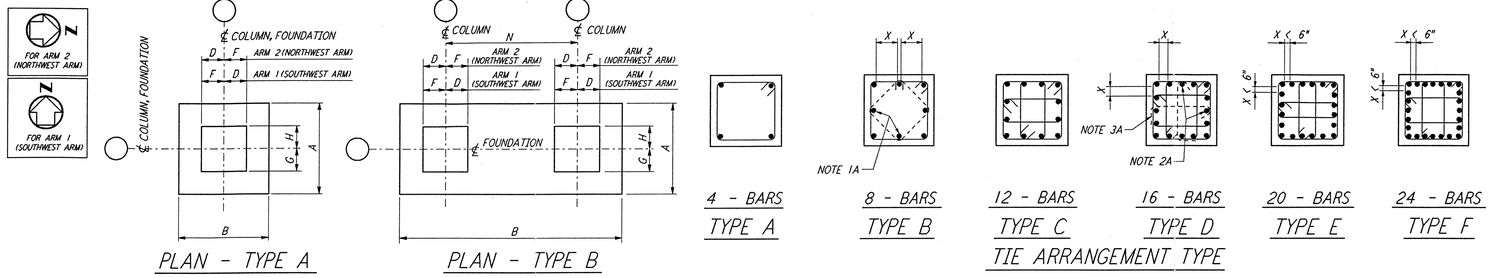
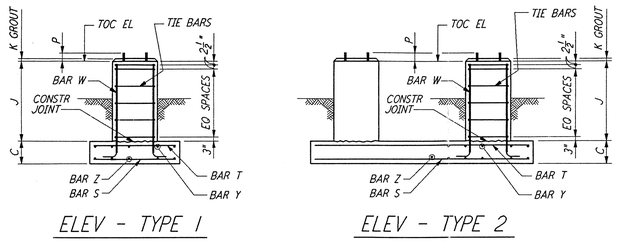
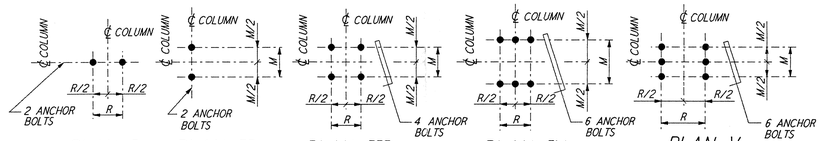




TIE REINFORCEMENT NOTES:

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.

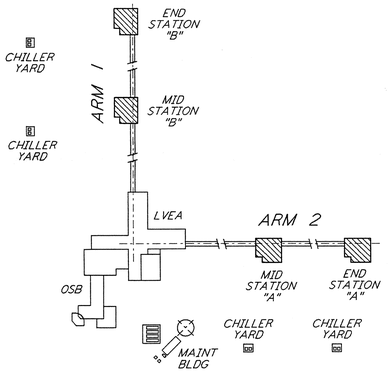


NOTES:

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 DRAWING WA-S-003.
4. FOUNDATION SCHEDULE SHOWN IS FOR ONE (1) BUILDING ONLY. FOUR (4) BUILDINGS REQUIRED.
5. (B) THE WORK MARKED BY HAND ON THIS DRAWING IN REVISION "A" DATED 4-19-96 HAS BEEN RESTORED TO THIS CONTRACT.

FOUNDATION		TOP OF CONC EL	FOUNDATION TYPE		DIMENSIONS											ANCHOR BOLTS PER PIER					REINFORCING PER FOUNDATION												CONC CY	FDN LOC PLAN	REMARKS
NO OF FDNS REQD	LOCATION		PLAN	ELEV	A	B	C	D	F	G	H	J	K	M	R	N	ANCHOR BOLT PLAN	TYPE	NO PER PIER	SIZE ∅	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			
2	C3, C4	100'-0"	A	1	3'-6"	3'-6"	1'-0"	10"	10"	10"	10"	1'-8"	1"	7"	7"	—	III	2	4	1"	1'-4"	4"	5	#4	5	#4	—	—	—	—	8	#5	B	#4	4	1.3	WA-S-201 & WA-S-208	
1	D4	100'-0"	A	1	5'-0"	5'-0"	1'-0"	10"	10"	1'-3½"	10"	1'-8"	1"	7"	7"	—	III	2	4	1"	1'-4"	4"	7	#4	7	#4	7	#4	7	#4	8	#6	B	#4	4	1.2	WA-S-201 & WA-S-208	
1	D5	100'-0"	A	1	5'-0"	5'-0"	1'-0"	10"	1'-3½"	1'-3½"	10"	1'-8"	1"	7"	7"	—	III	2	4	1"	1'-4"	4"	7	#4	7	#4	7	#4	7	#4	8	#6	B	#4	4	1.2	WA-S-201 & WA-S-208	
2	C1, C2	100'-0"	A	1	15'-0"	8'-0"	2'-0"	1'-3½"	12"	1'-3½"	12"	4'-0"	1"	7"	7"	—	III	2	4	1"	1'-4"	4"	18	#6	10	#6	18	#6	10	#6	8	#7	B	#4	6	9.7	WA-S-201 & WA-S-208	
1	C5	100'-0"	A	1	15'-0"	8'-0"	2'-0"	12"	1'-3½"	12"	12"	4'-0"	1"	7"	7"	—	III	2	4	1"	1'-4"	4"	18	#6	10	#6	18	#6	10	#6	8	#6	B	#4	6	9.7	WA-S-201 & WA-S-208	
1	D2	100'-0"	B	2	6'-0"	26'-0"	2'-0"	1'-3½"	12"	1'- 3½"	12"	1'-8"	1"	7"	7"	20'-0"	III	2	4	1"	1'-4"	4"	8	#6	31	#6	8	#6	31	#6	8	#7	B	#4	4	12.2	WA-S-201 & WA-S-208	
	D3	100'-0"						12"	12"	1'-3½"	12"	1'-8"	1"	7"	7"		III	2	4	1"	1'-4"	4"									8	#6	B	#4	4			
—	A2, A3, B1, B2, B3, B5	100'-0"	—	—	—	—	—	—	—	—	—	—	1"	7"	7"	—	III	2	4	1"	1'-4"	4"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	WA-S-201 & WA-S-208	FOR ANCHOR BOLTS ONLY
—	A1, A4, A5, B4	100'-0"	—	—	—	—	—	—	—	—	—	—	1"	7"	7"	—	III	1	4	1"	1'-4"	4"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	WA-S-201 & WA-S-208	FOR ANCHOR BOLTS ONLY

MID & END STATION (FOR NORTHWEST ARM & SOUTHWEST ARM) SEE NOTE 4



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REFERENCES		REVISIONS							
DRAWING NO.	DESCRIPTION	NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
		B	5-22-96	MCS	DDM	BP	TDM	BID ADDENDUM #2
		A	4-19-96	MCS	DDM	BP	TDM	FINAL DESIGN REVIEW & BID

DRAWN	MCS
CHECKED	
ENGINEER	
PROJ	

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PASADENA, CALIFORNIA

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CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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

TITLE: STRUCTURAL MID AND END STATION FOUNDATION SCHEDULE AND DETAILS

SCALE	CONTRACT NUMBER	PROJECT NUMBER
NONE	PP150969	8094

SHEET NUMBER: WA-S-401 REVISIONS: B

LIGOWAF.BDR