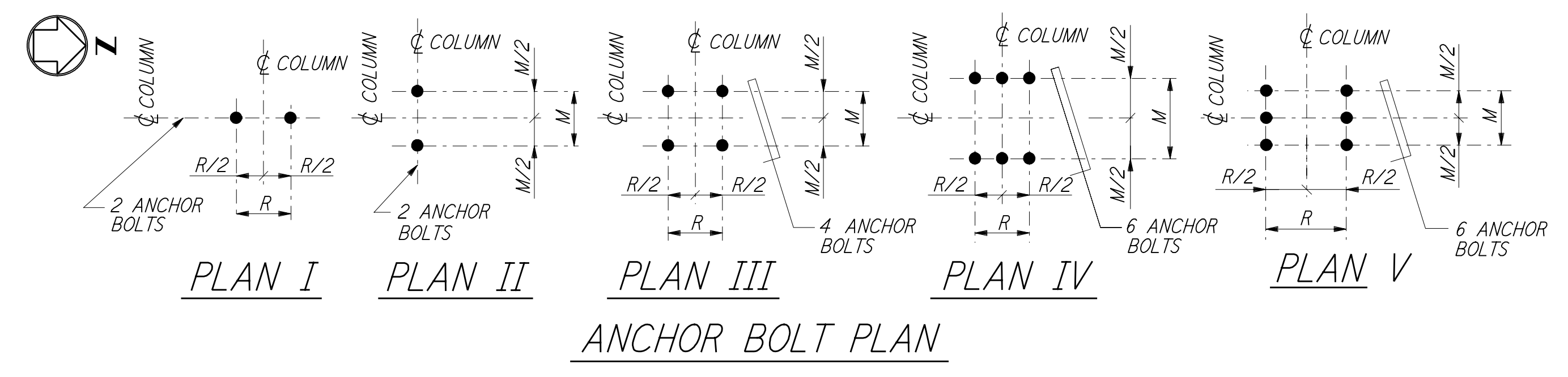
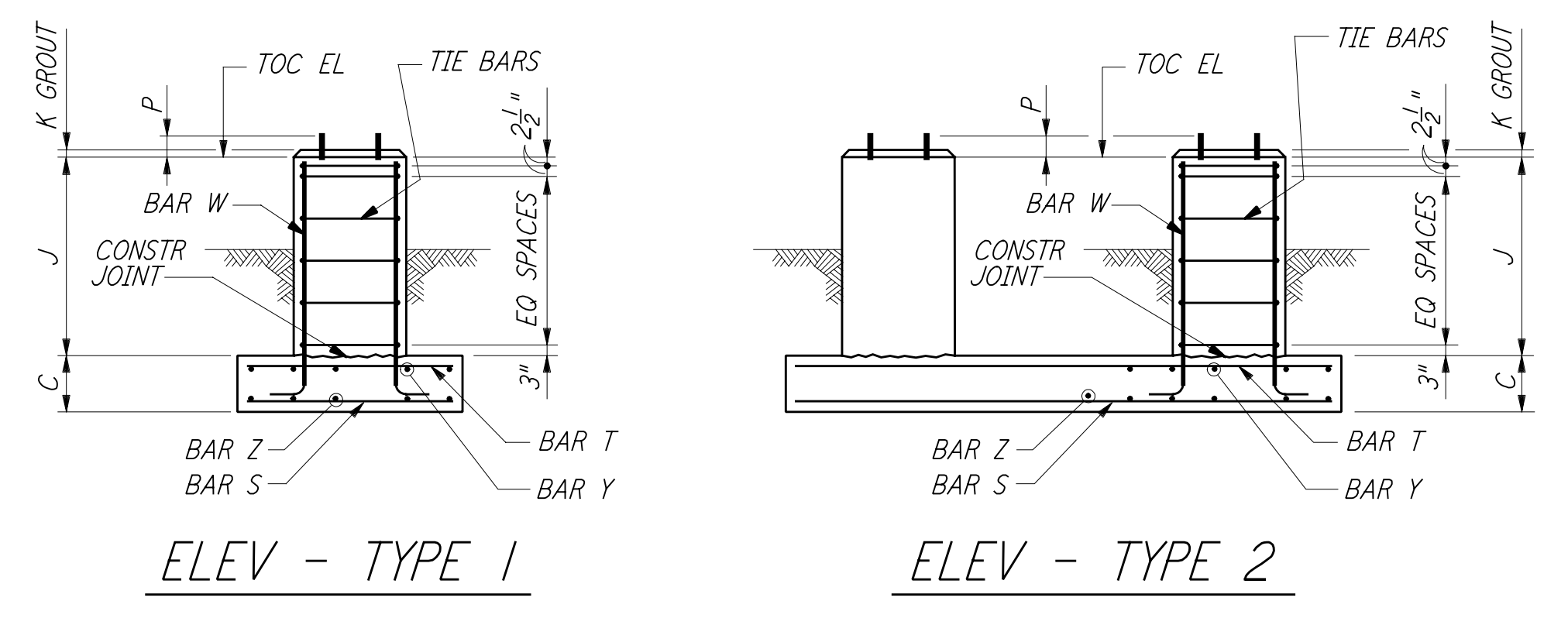


4 - BARS TYPE A
 8 - BARS TYPE B
 12 - BARS TYPE C
 16 - BARS TYPE D
 20 - BARS TYPE E
 24 - BARS TYPE F
 TIE ARRANGEMENT TYPE

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.



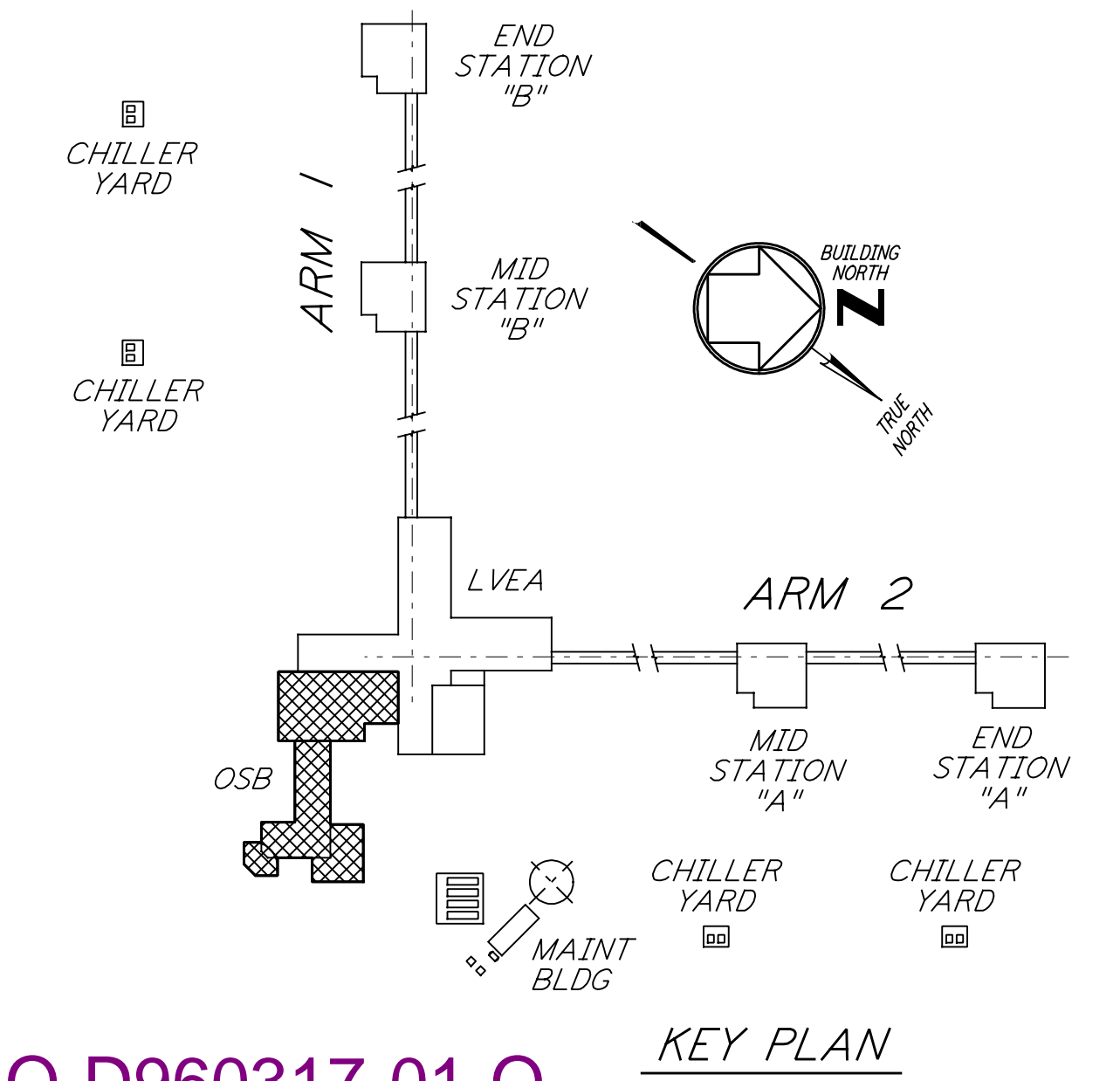
ANCHOR BOLT PLAN

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 DRAWING WA-S-003.

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FOUNDATION NO OF FDN'S REQD	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 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	NO REQD	
																																								NO
I	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	5	#5	8	#6	B	#4	5	1.0	WA-S-102	
I	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	5	#5	8	#6	B	#4	5	1.0	WA-S-102	
I	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	5	#5	8	#6	B	#4	5	1.0	WA-S-102	
I	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	5	#5	8	#6	B	#4	4	1.0	WA-S-102	
I	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	5	#5	8	#6	B	#4	4	1.0	WA-S-102	
I	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	5	#5	8	#6	B	#4	4	1.0	WA-S-102	
I	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	5	#5	8	#6	B	#4	4	1.0	WA-S-102	
I	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	5	#5	8	#6	B	#4	4	1.0	WA-S-102	
I	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	5	#5	8	#6	B	#4	4	1.0	WA-S-102	
I	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	5	#5	8	#6	B	#4	4	1.0	WA-S-102	
I	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	5	#5	8	#6	B	#4	4	1.0	WA-S-102	
I	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	5	#5	8	#6	B	#4	4	1.0	WA-S-102	
I	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	5	#5	8	#6	B	#4	4	1.0	WA-S-102	
I	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	6	#5	8	#6	B	#4	5	1.2	WA-S-102	
I	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	6	#5	8	#6	B	#4	5	1.2	WA-S-102	
I	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	6	#5	8	#6	B	#4	4	1.2	WA-S-102	
I	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	6	#5	8	#6	B	#4	5	1.2	WA-S-102	
I	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	6	#5	8	#6	B	#4	4	1.2	WA-S-102	
I	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	6	#5	8	#6	B	#4	4	1.2	WA-S-102	
I	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	6	#5	8	#6	B	#4	4	1.2	WA-S-102	
I	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	6	#5	8	#6	B	#4	4	1.2	WA-S-102	
I	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	6	#5	8	#6	B	#4	4	1.2	WA-S-102	
I	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	6	#5	8	#6	B	#4	4	1.2	WA-S-102	
I	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	6	#5	8	#6	B	#4	4	1.2	WA-S-102	
I	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	6	#5	8	#6	B	#4	4	1.2	WA-S-102	
I	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	6	#5	8	#6	B	#4	4	1.2	WA-S-102	
I	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	6	#5	8	#6	B	#4	4	1.2	WA-S-102	
I	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	6	#5	8	#6	B	#4	4	1.2	WA-S-102	
I	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	WA-S-102	
I	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	WA-S-102	
I	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	WA-S-102	FOR ADDL INFO SEE P/WA-S-405
I	W-18.4	100'-0"	A	I	3'-0"	3'-0"	1'-0"	10"	10"	10"	10"	1'-8"	1"	5"	5"	—	III	2	4	1"	1'-4"	4"	4	#5	4	#5	-	-	-	-	-	-	8	#6	B	#4	4	0.5	WA-S-102	
I	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	WA-S-102	FOR ADDL INFO SEE P/WA-S-405
I	W.4-18	100'-0"	A	I	3'-0"	3'-0"	1'-0"	10"	10"	10"	10"	1'-8"	1"	5"	5"	—	III	2	4	1"	1'-4"	4"	4	#5	4	#5	-	-	-	-	-	-	8	#6	B	#4	4	0.5	WA-S-102	



LIGO-D960317-01-0 KEY PLAN

REV	NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	6-15-96	CKT					ISSUED FOR AS-BUILT

ISSUED FOR CONSTRUCTION			
DRAWN	MCS	6-24-96	
CHECKED	DDM	7-2-96	
ENGINEER	BP	6-28-96	
PROJ	MDW	7-9-96	

AS-BUILT DRAWINGS



LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY SITE NO. I - HANFORD, WASHINGTON			
TITLE	STRUCTURAL CORNER STATION - OSB FOUNDATION SCHEDULE AND DETAILS SHEET I	SCALE	NONE
PROJECT NUMBER	PP150969	SHEET NUMBER	8094
REVISIONS	WA-S-402		