

PANEL VEAC-01A		LOCATION LVEA RM 105				VOLTS 208Y/120V									
FED FROM	CKT #	MOUNTING RECESSED		MAIN		BUS 100									
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
						A B C									
1	VAC. EQUIP. LOAD (1.9 KVA) GENL. ION. AUX. TURBO	1	1	12	20	1920	1920	8600	20	3	2	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2	
3	VAC. EQUIP. LOAD (1.9 KVA) GENL. ION. AUX. TURBO	3	1	12	20	1920	1920					4			
5	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	5	1	12	20	1400	1920 2867					6			
7	NS-27	7	1	12	20		1920	5800	20	3	8	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8	
9	3-3	9	1	12	20		1920					10			
11	3-15	11	1	12	20	1400						12			
13	SPACE	13										14	SPACE	14	
15	SPACE	15										16	SPACE	16	
17	SPACE	17										18	SPACE	18	
19	MAIN BREAKER (BACKFEED TO BUS)	19	3				950	950	20	12	1	20	RECEPTACLES TRAP PRIMER	20	
21		21					750	1500	20	12	2	22	W-CS-136-WH-05 (1.5 KVA)	22	
23		23					750					24	W-CS-136-WH-05 (1.5 KVA)	24	
25		25										26		26	
27		27										28		28	
29		29										30		30	
TOTAL						7671	7471	7471							
TOTAL CONNECTED LOAD (VA)						22613									
(AMPS)						62.76									

PANEL VEAC-02A		LOCATION LVEA RM 104				VOLTS 208Y/120V									
FED FROM	CKT #	MOUNTING RECESSED		MAIN		BUS 100									
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
						A B C									
1	VAC. EQUIP. LOAD (1.9 KVA) GENL. ION. AUX. TURBO	1	1	12	20	1920	1920	8600	20	3	2	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2	
3	VAC. EQUIP. LOAD (1.9 KVA) GENL. ION. AUX. TURBO	3	1	12	20	1920	1920					4			
5	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	5	1	12	20	1400	1920 2867					6			
7	SPACE	7					1934	5800	20	3	8	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8	
9	SPACE	9					1934					10			
11	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	11	1	12	20							12			
13	SPACE	13										14	SPACE	14	
15	SPACE	15										16	SPACE	16	
17	SPACE	17										18	SPACE	18	
19	MAIN BREAKER (BACKFEED TO BUS)	19	3				800	800	20	1	20	20	RECEPTACLES TRAP PRIMER	20	
21		21					750	1500	20	12	2	22	W-CS-136-WH-04 (1.5 KVA)	22	
23		23					750					24	W-CS-136-WH-04 (1.5 KVA)	24	
25		25										26		26	
27		27										28		28	
29		29										30		30	
TOTAL						7521	7471	8351							
TOTAL CONNECTED LOAD (VA)						23343									
(AMPS)						64.79									

PANEL VEAC-03A		LOCATION LVEA RM 103				VOLTS 208Y/120V									
FED FROM	CKT #	MOUNTING RECESSED		MAIN		BUS 225									
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
						A B C									
1	RB-4	1	1	10	30	1920	1920	8600	20	3	2	2	TURBO PUMP RB-6	2	
3	RB-5	3	1	10	30	1920	1920					4			
5	RB-13	5	1	12	20		1400 2867					6			
7	CHECK VALVE	7					1934	5800	20	3	8	8	TURBO PUMP RB-11	8	
9	BOC DS 12	9					1934					10			
11	BOC DS 13	11						1934				12			
13	BOC VS 14	13							20			14	SPACE	14	
15	BOC VS 23	15							20			16	SPACE	16	
17	SPACE	17							20			18	SPACE	18	
19	SPACE	19					950	950	20	12	1	20	RECEPTACLES TRAP PRIMER	20	
21	SPACE	21					750	1500	20	12	2	22	W-CS-136-WH-03 (1.5 KVA)	22	
23	SPACE	23					750					24	W-CS-136-WH-03 (1.5 KVA)	24	
25	RB-9	25	1	12	20	1920	1920	8600	20	3	26	26	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	26	
27	B/C RB-10	27	1	12	20	1920	1920					28			
29	BC DS-3	29	1	12	20	1400	1400					30			
31	PUMP DS-8	31	1	12	20	1400	1400	5800	20	3	32	32	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	32	
33	SPACE	33					1934					34			
35	SPACE	35					1934					36			
37	MAIN BREAKER (BACKFEED TO BUS)	37	3				1934		20			38	SPACE	38	
39		39							20			40	SPACE	40	
41		41							20			42	SPACE	42	
TOTAL						15792	14192	11752							
TOTAL CONNECTED LOAD (VA)						41736									
(AMPS)						115.84									


PANEL VEAC-04A		LOCATION LVEA RM 103				VOLTS 208Y/120V									
FED FROM	CKT #	MOUNTING RECESSED		MAIN		BUS 225									
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
						A B C									
1	BOC-LB4	1	1	12	20	1920	1920	8600	20	12	3	2	TURBO PUMP LB-6	2	
3	BOC-LB5	3	1	12	20	1920	1920					4			
5	CHECK VALVE LB-13	5	1	12	20		2867					6			
7	CHECK VALVE LB-3	7	1	12	20		1934	5800	20	12	3	8	TURBO PUMP LB-9	8	
9	BOC-DS 6	9	1	12	20		1934					10			
11	BOC-DS 19	11	1	12	20			1934				12			
13	BOC-DS 20	13	1	12	20				20			14	SPACE	14	
15	SPACE	15	1	12	20		1150	1150	20	1	16	16	COMMUNICATIONS SUMP PUMP	16	
17	SPACE	17	1	12	20				20			18	SPACE	18	
19	SPACE	19					1180		20	12	1	20	RECEPTACLES TRAP PRIMER	20	
21	SPACE	21					750	1500	20	12	2	22	W-CS-136-WH-06 (1.5 KVA)	22	
23	SPACE	23										24	W-CS-136-WH-06 (1.5 KVA)	24	
25	LB-8	25	1	12	20	1920	1920	8600	20	3	26	26	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	26	
27	LB-11	27	1	12	20	1920	1920					28			
29	SPACE	29	1	12	20	1400	1400					30			
31	SPACE	31	1	12	20	1400	1400	5800	20	3	32	32	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	32	
33	SPACE	33					1934					34			
35	SPACE	35					1934					36			
37	MAIN BREAKER (BACKFEED TO BUS)	37	3						20			38	SPACE	38	
39		39							20			40	SPACE	40	
41		41							20			42	SPACE	42	
TOTAL						16022	15342	11752							
TOTAL CONNECTED LOAD (VA)						43116									
(AMPS)						119.67									

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.

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	6-15-98	J. G.				ISSUED FOR AS-BUILT

ISSUED FOR CONSTRUCTION  
 DRAWN M. M. 6-25-98  
 CHECKED J. K. 7-3-96  
 ENGINEER K. R. 7-3-96  
 PROJ. M. D. W. 7-8-96

**AS-BUILT DRAWINGS**



100 WEST WALNUT STREET  
PASADENA, CALIFORNIA



CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

**LIGO-D960408-01-O**

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

TITLE	SCALE	CONTRACT NUMBER	PROJECT NUMBER
ELECTRICAL CORNER STATION LVEA VEAC PANEL SCHEDULES	NONE	PP150969	8094
SHEET NUMBER			REVISION
WA-E-119			