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PANEL VEAC-01A		LOCATION		LVEA RM 105		VOLTS		208Y/120V							
FED FROM	CKT #	MOUNTING	RECESSED	PHASE	3	WIRE	4	FEEDER	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	
1	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	1	1			1920	1920 2867	8600		3	2	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2	
3	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	3	1			1920	1920 2867					4		4	
5	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	5	1			1400	1400 2867					6		6	
7	SPACE	7					1920	5800		3	8	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8	
9	SPACE	9										10		10	
11	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	11	1			1400	1400 1920					12		12	
13	SPACE	13										14		14	
15	SPACE	15										16		16	
17	SPACE	17										18		18	
19	MAIN BREAKER (BACKFEED TO BUS)	19	3				950	950		1	20	20	RECEPTACLES TRAP PRIMER	20	
21		21						1500		2	22	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						750				26		26	
27		27										28		28	
29		29										30		30	
TOTAL CONNECTED LOAD (VA)						7671	7471	7471							
(AMPS)						22613									

PANEL VEAC-02A		LOCATION		LVEA RM 104		VOLTS		208Y/120V							
FED FROM	CKT #	MOUNTING	RECESSED	PHASE	3	WIRE	4	FEEDER	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	
1	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	1	1			1920	1920 2867	8600		3	2	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2	
3	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	3	1			1920	1920 2867					4		4	
5	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	5	1			1400	1400 2867					6		6	
7	SPACE	7					1934	5800		3	8	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8	
9	SPACE	9										10		10	
11	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	11	1			1400	1400 1934					12		12	
13	SPACE	13										14		14	
15	SPACE	15										16		16	
17	SPACE	17										18		18	
19	MAIN BREAKER (BACKFEED TO BUS)	19	3				800	800		1	20	20	RECEPTACLES TRAP PRIMER	20	
21		21						1500		2	22	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						750				26		26	
27		27										28		28	
29		29										30		30	
TOTAL CONNECTED LOAD (VA)						7521	7471	8351							
(AMPS)						23343									

PANEL VEAC-03A		LOCATION		LVEA RM 103		VOLTS		208Y/120V							
FED FROM	CKT #	MOUNTING	RECESSED	PHASE	3	WIRE	4	FEEDER	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	
1	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	1	1			1920	1920 2867	8600		3	2	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2	
3	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	3	1			1920	1920 2867					4		4	
5	SPACE	5						1400 2867				6		6	
7	SPACE	7					1934	5800		3	8	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8	
9	SPACE	9										10		10	
11	SPACE	11					1934					12		12	
13	SPACE	13										14		14	
15	SPACE	15										16		16	
17	SPACE	17										18		18	
19	SPACE	19					950	950		1	20	20	RECEPTACLES TRAP PRIMER	20	
21	SPACE	21						1500		2	22	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	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	25	1			1920	1920 2867	8600		3	26	26	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	26	
27	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	27	1			1920	1920 2867					28		28	
29	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	29	1			1400	1400 2867					30		30	
31	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	31	1			1400	1400 1934	5800		3	32	32	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	32	
33	SPACE	33										34		34	
35	SPACE	35										36		36	
37	MAIN BREAKER (BACKFEED TO BUS)	37	3					1934				38	SPACE	38	
39		39										40	SPACE	40	
41		41										42	SPACE	42	
TOTAL CONNECTED LOAD (VA)						15792	14192	11752							
(AMPS)						41736									

PANEL VEAC-04A		LOCATION		LVEA RM 103		VOLTS		208Y/120V							
FED FROM	CKT #	MOUNTING	RECESSED	PHASE	3	WIRE	4	FEEDER	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	
1	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	1	1			1920	1920 2867	8600		3	2	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2	
3	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	3	1			1920	1920 2867					4		4	
5	SPACE	5						2867				6		6	
7	SPACE	7					1934	5800		3	8	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8	
9	SPACE	9										10		10	
11	SPACE	11						1934				12		12	
13	SPACE	13										14		14	
15	SPACE	15					1150	1150		1	16	16	COMMUNICATIONS SUMP PUMP	16	
17	SPACE	17										18		18	
19	SPACE	19					1180			1	20	20	RECEPTACLES TRAP PRIMER	20	
21	SPACE	21						1500		2	22	22	W-CS-136-WH-06 (1.5 KVA)	22	
23	SPACE	23						750				24	W-CS-136-WH-06 (1.5 KVA)	24	
25	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	25	1			1920	1920 2867	8600		3	26	26	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	26	
27	VAC. EQUIP. LOAD (1.9 KVA) GEN'L. ION. AUX. TURBO	27	1			1920	1920 2867					28		28	
29	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	29	1			1400	1400 2867					30		30	
31	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	31	1			1400	1400 1934	5800		3	32	32	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	32	
33	SPACE	33										34		34	
35	SPACE	35										36		36	
37	MAIN BREAKER (BACKFEED TO BUS)	37	3					1934				38	SPACE	38	
39		39										40	SPACE	40	
41		41										42	SPACE	42	
TOTAL CONNECTED LOAD (VA)						16022	15342	11752							
(AMPS)						43116									

Date Received:	4-19-96	LIGO-D960408-A-0	Contractor #:	WA-E-119 Rev. A
TIM #:	28	LIGO-C960857-00-V	Approved:	[Signature]
Date:	4/19/96		Approved:	
TDM #:			Approved:	
Date:	/ /		Approved:	
Gen'l Transmittal			Approved:	
Date:	/ /		Approved:	

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
A	4-19-96	J.G.	JK	JK	ATDM	FINAL DESIGN REVIEW & BID

DRAWN	J. G.
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. 1 - HANFORD, WASHINGTON

ELECTRICAL
CORNER STATION LVEA
VEAC
PANEL SCHEDULES

SCALE: NONE
CONTRACT NUMBER: PPI50969
PROJECT NUMBER: 8094
SHEET NUMBER: WA-E-119