DATE: 10/22:96 TIME: 16:37:12
DESIGN FILE: I:\ligo\site2\ee\lae119.j3z

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PANEL VEAC-01A

FED FROM: | CKT #:
LOCATION: LVEA RM 105 | VOLTS: 208Y/120V
MOUNTING: RECESSED | MAIN:
PHASE: 3 | WIRE: 4 | FEEDER: | BUS: 100

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX. TURBO	1	1		20	1920	1920 2867			8600	30		3	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2
3	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX. TURBO	3	1		20	1920		1920 2867		—				4		
5	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	5	1		15	1400			1400 2867	—				6		
7	SPACE	7					1920			5800	20		3	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8
9	SPARE	9	1		15			1920		—				10		
11	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	11	1		15	1400			1400 1920	—				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		100	—	950			950	20		1	20	RECEPTACLES TRAP PRIMER	20
		21				—		750		1500	15		2	22	L-CS-136-WH-05 (1.5 KVA)	22
		23				—			750	—				24	L-CS-136-WH-05 (1.5 KVA)	
		25												26		
		27												28		
		29												30		
						TOTAL	7671	7471	7471							

TOTAL CONNECTED LOAD (VA): 22613
(AMPS):

PANEL VEAC-02A

FED FROM: | CKT #:
LOCATION: LVEA RM 104 | VOLTS: 208Y/120V
MOUNTING: RECESSED | MAIN:
PHASE: 3 | WIRE: 4 | FEEDER: | BUS: 100

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX. TURBO	1	1		20	1920	1920 2867			8600	30		3	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2
3	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX. TURBO	3	1		20	1920		1920 2867		—				4		
5	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	5	1		15	1400			1400 2867	—				6		
7	SPACE	7					1934			5800	20		3	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8
9	SPARE	9	1		15			1934		—				10		
11	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	11	1		15	1400			1400 1934	—				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		100	—	820			820	20		1	20	RECEPTACLES TRAP PRIMER	20
		21				—		750		1500	15		2	22	L-CS-136-WH-04 (1.5 KVA)	22
		23				—			750	—				24	L-CS-136-WH-04 (1.5 KVA)	
		25												26		
		27												28		
		29												30		
						TOTAL	7541	7471	8351							

TOTAL CONNECTED LOAD (VA): 23363
(AMPS):

PANEL VEAC-03A

FED FROM: | CKT #:
LOCATION: LVEA RM 103 | VOLTS: 208Y/120V
MOUNTING: RECESSED | MAIN:
PHASE: 3 | WIRE: 4 | FEEDER: | BUS: 225

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX. TURBO	1	1		20	1920	1920 2867			8600	30		3	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2
3	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX. TURBO	3	1		20	1920		1920 2867		—				4		
5	SPACE	5							1400 2867	—				6		
7	SPACE	7					1934			5800	20		3	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8
9	SPARE	9	1		20			1934		—				10		
11	SPARE	11	1		20				1934	—				12		
13	SPACE	13									20		1	14	SPARE	14
15	SPACE	15									20		1	16	SPARE	16
17	SPACE	17									20		1	18	SPARE	18
19	SPACE	19					950			950	20		1	20	RECEPTACLES TRAP PRIMER	20
21	SPACE	21						750		1500	15		2	22	L-CS-136-WH-03 (1.5 KVA)	22
23	SPACE	23							750	—				24	L-CS-136-WH-03 (1.5 KVA)	
25	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX. TURBO	25	1		20	1920	1920 2867			8600	30		3	26	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	26
27	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX. TURBO	27	1		20	1920		1920 2867		—				28		
29	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	29	1		20	1400			1400 2867	—				30		
31	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	31	1		20	1400	1400 1934			5800	20		3	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		150	—					20		1	38	SPARE	38
		39				—					20		1	40	SPARE	40
		41				—					20		1	42	SPARE	42
						TOTAL	15792	14192	11752							

TOTAL CONNECTED LOAD (VA): 41736
(AMPS):

PANEL VEAC-04A

FED FROM: | CKT #:
LOCATION: LVEA RM 103 | VOLTS: 208Y/120V
MOUNTING: RECESSED | MAIN:
PHASE: 3 | WIRE: 4 | FEEDER: | BUS: 225

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX. TURBO	1	1		20	1920	1920 2867			8600	30		3	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2
3	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX. TURBO	3	1		20	1920		1920 2867		—				4		
5	SPACE	5							2867	—				6		
7	SPACE	7					1934			5800	20		3	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8
9	SPARE	9	1		20			1934		—				10		
11	SPARE	11	1		20				1934	—				12		
13	SPACE	13									20		1	14	SPARE	14
15	SPACE	15						1150		1150	15		1	16	COMMUNICATIONS SUMP PUMP	16
17	SPACE	17									20		1	18	SPARE	18
19	SPACE	19				1180				1180	20		1	20	RECEPTACLES TRAP PRIMER	20
21	SPACE	21					750			1500	15		2	22	L-CS-136-WH-06 (1.5 KVA)	22
23	SPACE	23							750	—				24	L-CS-136-WH-06 (1.5 KVA)	
25	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX. TURBO	25	1		20	1920	1920 2867			8600	20		3	26	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	26
27	VAC. EQUIP. LOAD (1.9 KVA) GENRL. ION. AUX. TURBO	27	1		20	1920		1920 2867		—				28		
29	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	29	1		20	1400			1400 2867	—				30		
31	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	31	1		20	1400	1400 1934			5800	20		3	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		150	—					20		1	38	SPARE	38
		39				—					20		1	40	SPARE	40
		41				—					20		1	42	SPARE	42
						TOTAL	16022	15342	11752							

TOTAL CONNECTED LOAD (VA): 43116
(AMPS):

REFERENCES		REVISIONS							
DRAWING NO.	DESCRIPTION	NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION		
DRAWN	M. M.	11-15-96
CHECKED	JCL	7-24-96
ENGINEER	KCK	10-25-96
PROJ	EDM	11/15/96

STATE OF LOUISIANA — KAI C. K. RAMSING — REG. NO. 25754 — PROFESSIONAL ENGINEER — ELECTRICAL ENGINEERING
10 OCT 96

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: ELECTRICAL CORNER STATION LVEA VEAC PANEL SCHEDULES

SCALE	CONTRACT NUMBER	PROJECT NUMBER
NONE	PP150969	8094

SHEET NUMBER: LA-E-119
REVISIONS: 1

LIGO-D961021-00-D

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