DATE: 10/07/98 TIME: 13:25:22
DESIGN FILE: I:\ligo\site2\ee\lae120.d3z

PANEL VEAC-17 | LOCATION LVEA RM 107 | VOLTS 480Y/277V
FED FROM | CKT # | 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	PURGE AIR COMPRESSOR (61 KVA)	1	3		90	61000	20333			8000	15		3	2	TURBO VACUUM BACKING PUMP (8 KVA)	2
		3				—		20333		—				4		
		5				—			20333	—				6		
7	ROUGH VACUUM BACKING PUMP (52 KVA)	7	3		80	52000	17333			8000	15		3	8	TURBO VACUUM BACKING PUMP (8 KVA)	8
		9				—		17333		—				10		
		11				—			17333	—				12		
13	ROUGH VACUUM BACKING PUMP (52 KVA)	13	3		80	52000	17333				15		1	14	SPARE	14
		15				—		17333			20		1	16	SPARE	16
		17				—			17333		20		1	18	SPARE	18
19	SPACE	19												20	SPACE	20
21	SPACE	21												22	SPACE	22
23	SPACE	23												24	SPACE	24
25	SPACE	25												26	SPACE	26
27	SPACE	27												28	SPACE	28
29	SPACE	29												30	SPACE	30
						TOTAL	60333	60333	60333							

TOTAL CONNECTED LOAD (VA) 180999
(AMPS)

PANEL VEAC-17A | LOCATION LVEA RM 107 | VOLTS 208Y/120V
FED FROM | CKT # | 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	MAIN ION PUMP POWER SUPPLY NO.1 (1.9 KVA)	1	3		15	1900	633			1900	15		3	2	MAIN ION PUMP POWER SUPPLY NO.5 (1.9 KVA)	2
		3				—		633		—				4		
		5				—			633	—				6		
7	MAIN ION PUMP POWER SUPPLY NO.2 (1.9 KVA)	7	3		15	1900	633			1900	15		3	8	MAIN ION PUMP POWER SUPPLY NO.6 (1.9 KVA)	8
		9				—		633		—				10		
		11				—			633	—				12		
13	MAIN ION PUMP POWER SUPPLY NO.3 (1.9 KVA)	13	3		15	1900	633			1900	15		3	14	MAIN ION PUMP POWER SUPPLY NO.7 (1.9 KVA)	14
		15				—		633		—				16		
		17				—			633	—				18		
19	MAIN ION PUMP POWER SUPPLY NO.4 (1.9 KVA)	19	3		15	1900	633			1900	15		3	20	MAIN ION PUMP POWER SUPPLY NO.8 (1.9 KVA)	20
		21				—		633		—				22		
		23				—			633	—				24		
25	VACUUM EQUIPMENT RACK NO.1	25	1		20	1920	1920			1000	15		1	26	VACUUM GAUGE POWER SUPPLY	26
27	VACUUM EQUIPMENT RACK NO.2	27	1		20	1920		1920			15		1	28	SPARE	28
29	VACUUM EQUIPMENT FUTURE	29	1		20	1920			1920		20		1	30	SPARE	30
31	VACUUM EQUIPMENT FUTURE	31	1		20	1920	1920				20		3	32	SPARE	32
33	SPACE	33												34		
35	SPACE	35												36		
37	MAIN BREAKER (BACKFEED TO BUS)	37	3		225	—								38	SPACE	38
		39				—								40	SPACE	40
		41				—								42	SPACE	42
						TOTAL	9904	6984	6984							

TOTAL CONNECTED LOAD (VA) 23872
(AMPS)

Plotted Oct 7 13:24:48 1998 c:\plot\qef\S3-30.qef N:\DWGS\ES\E30B2\EE120.PRF

REFERENCES

DRAWING NO.	DESCRIPTION

REVISIONS

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	8-7-98	JE				ISSUED FOR AS-BUILT

ISSUED FOR CONSTRUCTION		
DRAWN	M. M.	11-15-96
CHECKED	JCL	7-24-96
ENGINEER	KCR	10-25-96
PROJ	T. D. M.	11-15-96

AS-BUILT DRAWINGS

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-120** REVISIONS 1

LIGO-D961022-01-O

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