

PANEL VEAC-17		LOCATION LVEA RM 107				VOLTS 480Y/277V									
FED FROM	CKT #	MOUNTING RECESSED		MAIN		FEEDER									
		PHASE	WIRE	WIRE		BUS									
		3	4	4		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	PURGE AIR COMPRESSOR (61 KVA)	1	3			61000	20333 2667	8000			3	2	TURBO VACUUM BACKING PUMP (8 KVA)	2	
							20333 2667					4			
							20333 2667					6			
7	ROUGH VACUUM BACKING PUMP (52 KVA)	7	3			52000	17333 2667	8000			3	8	TURBO VACUUM BACKING PUMP (8 KVA)	8	
							17333 2667					10			
							17333 2667					12			
13	ROUGH VACUUM BACKING PUMP (52 KVA)	13	3			52000	17333					14	SPARE	14	
							17333					16	SPARE	16	
												18	SPARE	18	
												20	SPACE	20	
19	SPACE	19										22	SPACE	22	
21	SPACE	21										24	SPACE	24	
23	SPACE	23										26	SPACE	26	
25	SPACE	25										28	SPACE	28	
27	SPACE	27										30	SPACE	30	
29	SPACE	29													
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		FEEDER									
		PHASE	WIRE	WIRE		BUS									
		3	4	4		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	MAIN ION PUMP POWER SUPPLY NO. 1 (1.9 KVA)	1	3			1900	633 633	1900			3	2	MAIN ION PUMP POWER SUPPLY NO. 5 (1.9 KVA)	2	
							633 633					4			
							633 633					6			
7	MAIN ION PUMP POWER SUPPLY NO. 2 (1.9 KVA)	7	3			1900	633 633	1900			3	8	MAIN ION PUMP POWER SUPPLY NO. 6 (1.9 KVA)	8	
							633 633					10			
							633 633					12			
13	MAIN ION PUMP POWER SUPPLY NO. 3 (1.9 KVA)	13	3			1900	633 633	1900			3	14	MAIN ION PUMP POWER SUPPLY NO. 7 (1.9 KVA)	14	
							633 633					16			
							633 633					18			
19	MAIN ION PUMP POWER SUPPLY NO. 4 (1.9 KVA)	19	3			1900	633 633	1900			3	20	MAIN ION PUMP POWER SUPPLY NO. 8 (1.9 KVA)	20	
							633 633					22			
							633 633					24			
25	VACUUM EQUIPMENT BACK NO. 1	25	1			1920	1920 1000	1000			1	26	VACUUM GAUGE POWER SUPPLY	26	
27	VACUUM EQUIPMENT BACK NO. 2	27	1			1920	1920					28	SPACE	28	
29	VACUUM EQUIPMENT FUTURE	29	1			1920	1920					30	SPACE	30	
31	VACUUM EQUIPMENT FUTURE	31	1			1920	1920					32	SPACE	32	
33	SPACE	33										34	SPACE	34	
35	SPACE	35										36	SPACE	36	
37	MAIN BREAKER (BACKFEED TO BUS)	37	3									38	SPACE	38	
												40	SPACE	40	
												42	SPACE	42	
TOTAL						9904	6984	6984							
TOTAL CONNECTED LOAD (VA)						23872									
						(AMPS)									


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

DRAWN	J.G.
CHECKED	
ENGINEER	
PROJ	

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100 WEST WALNUT STREET
PASADENA, CALIFORNIA



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

WA-E-120

Date Received: 4-19-96	LIGO: D960409-A-0
Drawn: J.G.	Contract #: WA-E-120 Rev A
Date: 4/19/96	LIGO: 960857-00-V1
	Approved:
Date: / /	Approved:
Date: / /	Approved: