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PANEL VEAC-01		LOCATION LVEA RM 105											VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING RECESSED											MAIN				
		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	
							A	B	C								
1	HEATER BLANKET CART	1	3			27000	9000 1233			3700			3	2	MAIN ROUGHING PUMP	2	
3		3					9000 1233							4			4
5		5					9000 1233							6			6
7	MAIN TURBO PUMP	7	1			400	400 9000			27000			3	8	C-CC-PD-VEAC-07	8	
9	SPARE	9					9000							10			10
11	SPARE	11					9000							12			12
13	SPARE	13					9000			27000			3	14	C-CC-PD-VEAC-14	14	
15	SPACE	15												16			16
17	SPACE	17												18			18
19	SPACE	19					18000			30000			3	20	W-C-CC-T-VEAC-01	20	
21	SPACE	21					18000							22			22
23	SPACE	23								18000				24			24
25	SPACE	25												26	SPACE		26
27	SPACE	27												28	SPACE		28
29	SPACE	29												30	SPACE		30
TOTAL							38633	38233	38233								
TOTAL CONNECTED LOAD (VA)							114699										
(AMPS)							137.96										

PANEL VEAC-04		LOCATION LVEA RM 102											VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING RECESSED											MAIN				
		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	
							A	B	C								
1	HEATER BLANKET CART	1	3			27000	9000 1233			3700			3	2	MAIN ROUGHING PUMP	2	
3		3					9000 1233							4			4
5		5					9000 1233							6			6
7	MAIN TURBO PUMP	7	1			400	400 9000			27000			3	8	C-CC-PD-VEAC-12	8	
9	SPARE	9					9000							10			10
11	SPARE	11					9000							12			12
13	SUBFEED TO C-CC-PD-VEAC-06	13	3			67402	22467 9000			27000			3	14	C-CC-PD-VEAC-13	14	
15		15					22467 9000							16			16
17		17					22467 9000							18			18
19	SPACE	19					15000			45000			3	20	W-C-CC-T-VEAC-04	20	
21	SPACE	21								15000				22			22
23	SPACE	23												24			24
25	SPACE	25												26	SPACE		26
27	SPACE	27												28	SPACE		28
29	SPACE	29												30	SPACE		30
TOTAL							66100	65700	65700								
TOTAL CONNECTED LOAD (VA)							197500										
(AMPS)							237.55										
75 % DEMAND FACTOR TOTAL VA = 148125																	

PANEL VEAC-02		LOCATION LVEA RM 104											VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING RECESSED											MAIN				
		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	
							A	B	C								
1	HEATER BLANKET CART	1	3			27000	9000 1233			3700			3	2	MAIN ROUGHING PUMP	2	
3		3					9000 1233							4			4
5		5					9000 1233							6			6
7	MAIN TURBO PUMP	7	1			400	400 9000			27000			3	8	C-CC-PD-VEAC-07	8	
9	SPARE	9					9000							10			10
11	SPARE	11					9000							12			12
13	SPARE	13					9000			27000			3	14	C-CC-PD-VEAC-14	14	
15	SPACE	15												16			16
17	SPACE	17												18			18
19	SPACE	19					18000			30000			3	20	W-C-CC-T-VEAC-02	20	
21	SPACE	21					18000							22			22
23	SPACE	23								18000				24			24
25	SPACE	25												26	SPACE		26
27	SPACE	27												28	SPACE		28
29	SPACE	29												30	SPACE		30
TOTAL							38233	38233	38233								
TOTAL CONNECTED LOAD (VA)							114699										
(AMPS)							137.96										

PANEL VEAC-05		LOCATION LVEA RM 103											VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING RECESSED											MAIN				
		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	
							A	B	C								
1	HEATER BLANKET CART	1	3			20000	9000 6667			27000			3	2	CRYOPUMP REGENERATOR	2	
3		3					9000 6667							4			4
5		5					9000 6667							6			6
7	MAIN TURBO PUMP	7	1			400	400						3	8	SPARE	8	
9	SPARE	9												10			10
11	SPARE	11												12			12
[REMAINING ROWS ARE XED OUT]																	
TOTAL							16067	15667	15667								
TOTAL CONNECTED LOAD (VA)							47401										
(AMPS)							57.0										

PANEL VEAC-03		LOCATION LVEA RM 103											VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING RECESSED											MAIN				
		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	
							A	B	C								
1	HEATER BLANKET CART	1	3			27000	9000 1233			3700			3	2	MAIN ROUGHING PUMP	2	
3		3					9000 1233							4			4
5		5					9000 1233							6			6
7	MAIN TURBO PUMP	7	1			400	400 9000			27000			3	8	C-CC-PD-VEAC-12	8	
9	SPARE	9					9000							10			10
11	SPARE	11					9000							12			12
13	SUBFEED TO C-CC-PD-VEAC-05	13	3			67402	22467 9000			27000			3	14	C-CC-PD-VEAC-13	14	
15		15					22467 9000							16			16
17		17					22467 9000							18			18
19	SPACE	19					15000			45000			3	20	W-C-CC-T-VEAC-03	20	
21	SPACE	21												22			22
23	SPACE	23								15000				24			24
25	SPACE	25												26	SPACE		26
27	SPACE	27												28	SPACE		28
29	SPACE	29												30	SPACE		30
TOTAL							66100	65700	65700								
TOTAL CONNECTED LOAD (VA)							197500										
(AMPS)							237.55										
75 % DEMAND FACTOR TOTAL VA = 148125																	

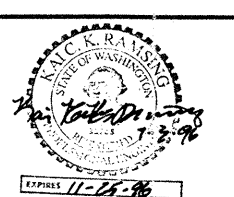
PANEL VEAC-06		LOCATION LVEA RM 102											VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING RECESSED											MAIN				
		PHASE 3			WIRE 4			FEEDER		BUS 100							
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT	
							A	B	C								
1	HEATER BLANKET CART	1	3			20000	9000 6667			27000			3	2	CRYOPUMP REGENERATOR	2	
3		3					9000 6667							4			4
5		5					9000 6667							6			6
7	MAIN TURBO PUMP	7	1			400	400						3	8	SPARE	8	
9	SPARE	9												10			10
11	SPARE	11												12			12
[REMAINING ROWS ARE XED OUT]																	
TOTAL							16067	15667	15667								
TOTAL CONNECTED LOAD (VA)							47401										
(AMPS)							57.0										

REV: 07/27/96 17:00:53 J:\LIGO\SUBSYSTEMS\VEAC\VEAC118.D3Z

REV: 07/27/96 17:00:53 J:\LIGO\SUBSYSTEMS\VEAC\VEAC118.D3Z

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION
DRAWN M.M. 6-25-96
CHECKED 22 7-3-96
ENGINEER [Signature] 7-3-96
PROJ [Signature] 7-16-96



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

TITLE	SHEET NUMBER	PROJECT NUMBER
ELECTRICAL CORNER STATION LVEA VEAC PANEL SCHEDULES	NONE	PP150969 8094

WA-E-118