

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
1	HEATER BLANKET CART	1	3			27000	A	B	C	3700			3	2	MAIN ROUGHING PUMP	2
3		3											4			
5		5											6			
7	MAIN TURBO PUMP	7	1			400				27000			3	8	C-CC-PD-VEAC-07	8
9	SPARE	9											10			
11	SPARE	11											12			
13	SPARE	13								27000			3	14	C-CC-PD-VEAC-14	14
15	SPACE	15											16			
17	SPACE	17											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							28633	28233	28233							
TOTAL CONNECTED LOAD (VA)							85100									
(AMPS)																

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
1	HEATER BLANKET CART	1	3			27000	A	B	C	3700			3	2	MAIN ROUGHING PUMP	2
3		3											4			
5		5											6			
7	MAIN TURBO PUMP	7	1			400				27000			3	8	C-CC-PD-VEAC-12	8
9	SPARE	9											10			
11	SPARE	11											12			
13	SUBFEED TO C-CC-PD-VEAC-06	13	3			47000				27000			3	14	C-CC-PD-VEAC-13	14
15		15											16			
17		17											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							44300	43900	43900							
TOTAL CONNECTED LOAD (VA)							132100									
(AMPS)																

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
1	HEATER BLANKET CART	1	3			27000	A	B	C	3700			3	2	MAIN ROUGHING PUMP	2
3		3											4			
5		5											6			
7	MAIN TURBO PUMP	7	1			400				27000			3	8	C-CC-PD-VEAC-07	8
9	SPARE	9											10			
11	SPARE	11											12			
13	SPARE	13								27000			3	14	C-CC-PD-VEAC-14	14
15	SPACE	15											16			
17	SPACE	17											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							28633	28233	28233							
TOTAL CONNECTED LOAD (VA)							85100									
(AMPS)																

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
1	HEATER BLANKET CART	1	3			20000	A	B	C	27000			3	2	CRYOPUMP REGENERATOR	2
3		3											4			
5		5											6			
7	MAIN TURBO PUMP	7	1			400				20000			3	8	BEAM TUBE POWER	8
9	SPARE	9											10			
11	SPARE	11											12			
TOTAL							22734	22334	22334							
TOTAL CONNECTED LOAD (VA)							67402									
(AMPS)																

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
1	HEATER BLANKET CART	1	3			27000	A	B	C	3700			3	2	MAIN ROUGHING PUMP	2
3		3											4			
5		5											6			
7	MAIN TURBO PUMP	7	1			400				27000			3	8	C-CC-PD-VEAC-12	8
9	SPARE	9											10			
11	SPARE	11											12			
13	SUBFEED TO C-CC-PD-VEAC-06	13	3			47000				27000			3	14	C-CC-PD-VEAC-13	14
15		15											16			
17		17											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							44300	43900	43900							
TOTAL CONNECTED LOAD (VA)							132100									
(AMPS)																

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
1	HEATER BLANKET CART	1	3			20000	A	B	C	27000			3	2	CRYOPUMP REGENERATOR	2
3		3											4			
5		5											6			
7	MAIN TURBO PUMP	7	1			400				20000			3	8	BEAM TUBE POWER	8
9	SPARE	9											10			
11	SPARE	11											12			
TOTAL							22734	22334	22334							
TOTAL CONNECTED LOAD (VA)							67402									
(AMPS)																

Date Received: 4-19-96	LIGO-D960407-A-0 Contractor # WA-E-118 Rev. A
TIM #: 28	LIGO-C960857-00-V
Date: 4/19/96	Approved: [Signature]
TDM #:	LIGO-
Date: / /	Approved:
Gen'l Transmittal	LIGO-
Date: / /	Approved:

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REFERENCES	REVISONS	DRAWN J.G.	CHECKED	ENGINEER	PROJ
A 4-19-96	J.G.	Y.C.	Y.C.	Y.C.	Y.C.
FINAL DESIGN REVIEW & BID					
DRAWING NO.	DESCRIPTION	NO.	DATE	BY	CHKD

 100 WEST WALNUT STREET PASADENA, CALIFORNIA	 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY SITE NO. 1 - HANFORD, WASHINGTON	
		TITLE: ELECTRICAL CORNER STATION LVEA VEAC PANEL SCHEDULES	SCALE: NONE CONTRACT NUMBER: PP150969 SHEET NUMBER: 8094 REVISIONS: WA-E-118

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