

PANEL VEAC-01A		LOCATION LVEA RM 105				VOLTS 208Y/120V									
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	VAC. EQUIP. LOAD (1.9 KVA) GENR. ION. AUX. TURBO	1	1			1920	1920 2867					3	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2
3	VAC. EQUIP. LOAD (1.9 KVA) GENR. ION. AUX. TURBO	3	1			1920	1920 2867					4	4		
5	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	5	1			1400		1400 2867				6	6		
7	SPACE	7					1920					3	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8
9	SPACE	9										10	10		
11	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	11	1			1400	1920	1400 1920				12	12		
13	SPACE	13										14	14	SPACE	14
15	SPACE	15										16	16	SPACE	16
17	SPACE	17										18	18	SPACE	18
19	MAIN BREAKER (BACKFEED TO BUS)	19	3				950		950			1	20	RECEPTACLES TRAP PRIMER	20
		21						750				2	22	W-CS-136-WH-05 (1.5 KVA)	22
		23										24	24	W-CS-136-WH-05 (1.5 KVA)	
		25						750				26	26		
		27										28	28		
		29										30	30		
TOTAL							7671	7471	7471						
TOTAL CONNECTED LOAD (VA)							22613								
(AMPS)															

PANEL VEAC-03A		LOCATION LVEA RM 103				VOLTS 208Y/120V									
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	VAC. EQUIP. LOAD (1.9 KVA) GENR. ION. AUX. TURBO	1	1			1920	1920 2867					3	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2
3	VAC. EQUIP. LOAD (1.9 KVA) GENR. ION. AUX. TURBO	3	1			1920	1920 2867					4	4		
5	SPACE	5						1400 2867				6	6		
7	SPACE	7					1934					3	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8
9	SPACE	9										10	10		
11	SPACE	11										12	12		
13	SPACE	13										14	14	SPACE	14
15	SPACE	15										16	16	SPACE	16
17	SPACE	17										18	18	SPACE	18
19	SPACE	19					950		950			1	20	RECEPTACLES TRAP PRIMER	20
21	SPACE	21						750				2	22	W-CS-136-WH-03 (1.5 KVA)	22
23	SPACE	23										24	24	W-CS-136-WH-03 (1.5 KVA)	
25	VAC. EQUIP. LOAD (1.9 KVA) GENR. ION. AUX. TURBO	25	1			1920	1920 2867					3	26	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	26
27	VAC. EQUIP. LOAD (1.9 KVA) GENR. ION. AUX. TURBO	27	1			1920	1920 2867					4	28		
29	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	29	1			1400		1400 2867				6	30		
31	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	31	1			1400	1400 1934					3	32	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	32
33	SPACE	33					1934					34	34		
35	SPACE	35										36	36		
37	MAIN BREAKER (BACKFEED TO BUS)	37	3									1	38	SPACE	38
		39										1	40	SPACE	40
		41										1	42	SPACE	42
TOTAL							15792	14192	11752						
TOTAL CONNECTED LOAD (VA)							41736								
(AMPS)															


PANEL VEAC-02A		LOCATION LVEA RM 104				VOLTS 208Y/120V									
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	VAC. EQUIP. LOAD (1.9 KVA) GENR. ION. AUX. TURBO	1	1			1920	1920 2867					3	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2
3	VAC. EQUIP. LOAD (1.9 KVA) GENR. ION. AUX. TURBO	3	1			1920	1920 2867					4	4		
5	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	5	1			1400		1400 2867				6	6		
7	SPACE	7					1934					3	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8
9	SPACE	9										10	10		
11	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	11	1			1400	1934	1400 1934				12	12		
13	SPACE	13										14	14	SPACE	14
15	SPACE	15										16	16	SPACE	16
17	SPACE	17										18	18	SPACE	18
19	MAIN BREAKER (BACKFEED TO BUS)	19	3				800		800			1	20	RECEPTACLES TRAP PRIMER	20
		21						750				2	22	W-CS-136-WH-04 (1.5 KVA)	22
		23										24	24	W-CS-136-WH-04 (1.5 KVA)	
		25						750				26	26		
		27										28	28		
		29										30	30		
TOTAL							7521	7471	8351						
TOTAL CONNECTED LOAD (VA)							23343								
(AMPS)															

PANEL VEAC-04A		LOCATION LVEA RM 103				VOLTS 208Y/120V									
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	VAC. EQUIP. LOAD (1.9 KVA) GENR. ION. AUX. TURBO	1	1			1920	1920 2867					3	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2
3	VAC. EQUIP. LOAD (1.9 KVA) GENR. ION. AUX. TURBO	3	1			1920	1920 2867					4	4		
5	SPACE	5						2867				6	6		
7	SPACE	7					1934					3	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8
9	SPACE	9										10	10		
11	SPACE	11										12	12		
13	SPACE	13										14	14	SPACE	14
15	SPACE	15										1	16	COMMUNICATIONS SUMP PUMP	16
17	SPACE	17					1150		1150			18	18	SPACE	18
19	SPACE	19					1180					1	20	RECEPTACLES TRAP PRIMER	20
21	SPACE	21						750				2	22	W-CS-136-WH-06 (1.5 KVA)	22
23	SPACE	23										24	24	W-CS-136-WH-06 (1.5 KVA)	
25	VAC. EQUIP. LOAD (1.9 KVA) GENR. ION. AUX. TURBO	25	1			1920	1920 2867					3	26	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	26
27	VAC. EQUIP. LOAD (1.9 KVA) GENR. ION. AUX. TURBO	27	1			1920	1920 2867					4	28		
29	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	29	1			1400		1400 2867				6	30		
31	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	31	1			1400	1400 1934					3	32	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	32
33	SPACE	33					1934					34	34		
35	SPACE	35										36	36		
37	MAIN BREAKER (BACKFEED TO BUS)	37	3									1	38	SPACE	38
		39										1	40	SPACE	40
		41										1	42	SPACE	42
TOTAL							16022	15342	11752						
TOTAL CONNECTED LOAD (VA)							43116								
(AMPS)															


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

DRAWN	J.G.
CHECKED	
ENGINEER	
PROJ	



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PASADENA, CALIFORNIA



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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	PROJECT NUMBER	8094
SHEET NUMBER	WA-E-119	REVISIONS					

LIGO-D960408-A-O

Date Received	4-19-96	LIGO-D960408-A-O
Contract #	WA-E-119	8094
TM #	28	LIGO-C960857-00-V
Date	4/19/96	Approved:
TM #		LIGO:
Date	/ /	Approved:
Gen'l Transmittal		LIGO:
Date	/ /	Approved: