

PANEL VEAC-18		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					9000 1233						4			
		5					9000 1233						6			
7	MAIN TURBO PUMP	7	1			400	400 9000			27000			3	8	PORTABLE CLEAN ROOM	8
9	SPARE	9					9000						10			
11	SPARE	11											12			
13	SPARE	13	3				9000			27000			3	14	PORTABLE CLEAN ROOM	14
	SPARE	15					9000						16			
	SPARE	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)							85099									
(AMPS)																

PANEL VEAC-19		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						3	2	SPARE	2
		3					9000						4			
		5					9000						6			
7	MAIN TURBO PUMP	7	1			400	400						3	8	SPARE	8
9	SPARE	9											10			
11	SPARE	11											12			
TOTAL							9400	9000	9000							
TOTAL CONNECTED LOAD (VA)							27400									
(AMPS)																

PANEL VEAC-18A		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) GENL. ION. AUX TURBO	1	1			1920	1920 2867			8600			3	2	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	2
3	VAC. EQUIP. LOAD (1.3 KVA) GENL. ION. AUX TURBO	3	1			1920	1920 2867						4			
5	SPACE	5											6			
7	SPACE	7					1934			5800			3	8	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	8
9	SPACE	9											10			
11	SPACE	11											12			
13	SPACE	13											14	SPACE	14	
15	SPACE	15								1150			1	16	COMMUNICATIONS SUMP PUMP	16
17	SPACE	17											18	SPACE	18	
19	SPACE	19											1	20	RECEPTACLES TRAP PRIMER	20
21	SPACE	21											2	22	W-CS-136-WH-06 (1.5 KVA)	22
23	SPACE	23											2	24	W-CS-136-WH-06 (1.5 KVA)	24
25	VAC. EQUIP. LOAD (1.9 KVA) GENL. ION. AUX TURBO	25	1			1920	1920 2867			8600			3	26	VAC. EQUIP. LOAD (8.6 KVA) GENERAL LOADS	26
27	VAC. EQUIP. LOAD (1.3 KVA) GENL. ION. AUX TURBO	27	1			1920	1920 2867						28			
29	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	29	1			1400	1400 2867						30			
31	VAC. EQUIP. LOAD (1.4 KVA) GATE VALVE	31	1			1400	1400 2867			5800			3	32	VAC. EQUIP. LOAD (5.8 KVA) GENERAL LOADS	32
33	SPACE	33					1934						34			
35	SPACE	35											36			
37	MAIN BREAKER (BACKFEED TO BUS)	37	3										38	SPACE	38	
		39											40	SPACE	40	
		41											42	SPACE	42	
TOTAL							16022	15342	11752							
TOTAL CONNECTED LOAD (VA)							43116									
(AMPS)																

PANEL 103-CDSAC-02		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	CDS RACK POWER CIRCUIT NO. 1	1	1			1920	1920 1920			1920			1	2	CDS RACK POWER CIRCUIT NO. 2	2
3	CDS RACK POWER CIRCUIT NO. 3	3	1			1920	1920 1920			1920			1	4	CDS RACK POWER CIRCUIT NO. 4	4
5	CDS RACK POWER CIRCUIT NO. 5	5	1			1920	1920 1920			1920			1	6	CDS RACK POWER CIRCUIT NO. 6	6
7	CDS RACK POWER CIRCUIT NO. 7	7	1			1920	1920 1920			1920			1	8	CDS RACK POWER CIRCUIT NO. 8	8
9	CDS RACK POWER CIRCUIT NO. 9	9	1			1920	1920 1920			1920			1	10	CDS RACK POWER CIRCUIT NO. 10	10
11	CDS RACK POWER CIRCUIT NO. 11	11	1			1920	1920 1920			1920			1	12	CDS RACK POWER CIRCUIT NO. 12	12
13	CDS RACK POWER CIRCUIT NO. 13	13	1			1920	1920 1920			1920			1	14	CDS RACK POWER CIRCUIT NO. 14	14
15	CDS RACK POWER CIRCUIT NO. 15	15	1			1920	1920 1920			1920			1	16	CDS RACK POWER CIRCUIT NO. 16	16
17	CDS RACK POWER CIRCUIT NO. 17	17	1			1920	1920 1920			1920			1	18	CDS RACK POWER CIRCUIT NO. 18	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	
31	SPACE	31											32	SPACE	32	
33	SPACE	33											34	SPACE	34	
35	SPACE	35											36	SPACE	36	
37	SPACE	37											38	SPACE	38	
39	SPACE	39											40	SPACE	40	
41	SPACE	41											42	SPACE	42	
TOTAL							11520	11520	11520							
TOTAL CONNECTED LOAD (VA)							34560									
(AMPS)																

\* ISOLATED 200% NEUTRAL BUS

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REFERENCES	REVISIONS	NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
	A	4-19-96	M.M.	MM	MM	TDM		FINAL DESIGN REVIEW & BID

DRAWN	M.M.
CHECKED	
ENGINEER	
PROJ	



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	AS NOTED	PP150969	8094
ELECTRICAL CORNER STATION 3RD INTERFEROMETER PANEL SCHEDULES	SHEET NUMBER	WA-E-508	REVISIONS