

PANEL DP_02		LOCATION ROOM 203										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed										MAIN Main Lugs				
DP_01	20	PHASE 3		WIRE 4		FEEDER 4*350KCMIL		BUS 225A								
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	HEATER HC-01	1	3		20	6000	2000	0	0	9000	20		3	2	HEATER HC-07	2
		3					2000	3000					4			
		5						2000	3000				6			
7	HEATER HC-08	7	3		20	9000	3000	0	0	6000	20		3	8	HEATER HC-05	8
		9					3000	2000					10			
		11						3000	2000				12			
13	HEATER HC-06	13	3		20	6000	2000	0	0	6000	20		3	14	HEATER HC-02	14
		15					0	2000	0				16			
		17					0	2000	0				18			
19	HEATER HC-04	19	3		20	6000	2000	0	0	6319	20		3	20	SUPPLY CRANE MOTOR	20
		21					0	2000	0				22			
		23					0	2000	0				24			
25	LIGHTS ROOM 202	25	1		20	1800	1800	0	0			1	26	SPARE	26	
27	OUTSIDE LTG.	27	1		20	550	0	0	0	180	20		1	28	EMERG BATT PACKS	28
29	LIGHTS ROOM 203,209	29	1		20	1540	0	0	0	4230		1	30	LIGHTS ROOM 204,205	30	
31	LIGHTS ROOM 208	31	1		20	188	188	0	0	919	20		1	32	LIGHTS ROOM 206,207,209	32
33	ROLLUP DOORS	33	3		20	4489	1496	0	42	42	20		1	34	EXIT LIGHTS	34
		35					0	1496	0		20		1	36	SPARE	36
		37					0	0	1496		20		1	38	SPARE	38
39	SPARE	39	1		20		0	0	0		20		1	40	SPARE	40
41	SPARE	41	1		20		0	0	0		20		1	42	SPARE	42
TOTAL							21509	20374	25372							
TOTAL CONNECTED LOAD (VA)							67255									
(AMPS)							80.9									

NOTE 5 ON DWG LA-E-008.

PANEL VEAC_01B		LOCATION ROOM 203										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed										MAIN 200A				
DP_01	26	PHASE 3		WIRE 4		FEEDER 4*300KCMIL		BUS 225A								
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	HEATING BLANKET CART	1	3		40	27000	9000	6667		20000	30		3	2	CRYOPUMP REGENERATOR	2
		3											4			
		5						9000	6667				6			
7	MAIN TURBO PUMP	7	1		20	400	400	0	0				8	8	SPARE	8
9	SPARE	9					0	0	0				10	10	SPARE	10
11	SPARE	11					0	0	0				12	12	SPARE	12
13	SPARE	13					0	0	0				14	14	SPARE	14
15	SPARE	15	3		20						20		3	16	SPARE	16
		17											18			
		19											20			
21	SPARE	21					0	0	0				22	22	SPARE	22
23	SPARE	23					0	0	0				24	24	SPARE	24
25	SPARE	25					0	0	0				26	26	SPARE	26
27	SPARE	27					0	0	0				28	28	SPARE	28
29	SPARE	29					0	0	0				30	30	SPARE	30
TOTAL							19667	15667	15667							
TOTAL CONNECTED LOAD (VA)							51001									
(AMPS)							61.5									

NOTE:  
 1. PANELS DP\_01, DP\_02, VEAC\_01B AND VEAC\_02B ARE TYPICAL FOR END STATIONS A AND B.

PANEL RP_01		LOCATION ROOM 203										VOLTS 208Y/120V				
FED FROM	CKT #	MOUNTING Surface Mount										MAIN 100A				
DP_01	19	PHASE 3		WIRE 4		FEEDER 4*2/0 & 1*4		BUS 100A								
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	RCPT ROOM 202	1	1		20	1080	1080	0	0	900	20		1	2	RCPT ROOM 202	2
3	SPARE	3	2		30	0	0	0	0	900	20		1	4	RCPT ROOM 203,204,205	4
		5					0	0	1080	1080	20		1	6	RCPT ROOM 206,207,208	6
7	RCPT ROOM 206,207,208	7	1		20	900	900	0	0	240	20		1	8	EXHAUST FAN	8
9	RCPT ROOM 203,204,205	9	1		20	720	0	720	0		20		1	10	SPARE	10
11	RCPT ROOM 203	11	1		20	720	0	0	720	540	20		1	12	RCPT ROOM 203	12
13	INCANDESCENT LTS	13	1		20	300	0	0	0		20		1	14	SPARE	14
15	INCANDESCENT LTS	15	1		20	400	0	400	0		20		1	16	SPARE	16
17	PROPANE W.C. IGNITOR	17	1		20	180	0	0	180		20		1	18	SPARE	18
19	TRAP PRIMER	19	1		20	180	0	0	0		20		1	20	SPARE	20
21	SPARE	21	1		20		0	0	0		20		1	22	SPARE	22
23	SPARE	23	1		20		0	0	0		20		1	24	SPARE	24
TOTAL							3600	2020	2520							
TOTAL CONNECTED LOAD (VA)							8140									
(AMPS)							22.1									

PANEL VEAC_02B		LOCATION ROOM 202										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed										MAIN 100A				
DP_01	31	PHASE 3		WIRE 4		FEEDER 4*1 & 1*6		BUS 125A								
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	HEATING BLANKET CART	1	3		40	27000	9000	6667		20000	30		3	2	CRYOPUMP REGENERATOR	2
		3											4			
		5						9000	6667				6			
7	MAIN TURBO PUMP 1	7	1		20	400	400	0	0		30		3	8	SPARE	8
9	SPARE	9	1		20		0	0	0				10			
11	SPARE	11	1		20		0	0	0				12			
TOTAL							16067	15667	15667							
TOTAL CONNECTED LOAD (VA)							47401									
(AMPS)							57									

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ISSUED FOR CONSTRUCTION	DRAWN	M. M.	11-15-96
	CHECKED	J. C. L.	7-24-96
	ENGINEER	K. C. R.	10-25-96
	PROJ	T. D. M.	11-15-96
<b>AS-BUILT DRAWINGS</b>			
2	8-7-98	JE	ISSUED FOR AS-BUILT
1	2-28-97	J. G. RDC	GENERAL REVISIONS
NO.	DATE	BY	DESCRIPTION



100 WEST WALNUT STREET  
PASADENA, CALIFORNIA



CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER  
GRAVITATIONAL-WAVE OBSERVATORY  
SITE NO. 2 - LIVINGSTON, LOUISIANA

ELECTRICAL  
END A AND B STATIONS  
PANEL SCHEDULES

SCALE: NONE  
CONTRACT NUMBER: PP150969  
PROJECT NUMBER: 8094

SHEET NUMBER: **LA-E-205**

*Note 1, LIGO, 02/12/99 10:04:11 AM*  
LIGO-D961029-02-O