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PANEL DP_02		LOCATION ROOM 203				VOLTS 480Y/277V								
FED FROM	CKT #	MOUNTING Recessed		MAIN Main lugs		FEEDER 4*350KCMIL		BUS 225A						
DP_01	20	PHASE 3	WIRE 4											
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	2000	9000	20	3	2	2	HEATER HC-07	2
		3				2000	2000					4		
		5				2000	2000					6		
7	HEATER HC-08	7	3	20	9000	3000	3000	6000	20	3	8	8	HEATER HC-05	8
		9				3000	3000					10		
		11				3000	3000					12		
13	HEATER HC-06	13	3	20	6000	2000	2000	6000	20	3	14	14	HEATER HC-02	14
		15				2000	2000					16		
		17				2000	2000					18		
19	HEATER HC-04	19	3	20	6000	2000	2000	6319	20	3	20	20	SUPPLY CRANE MOTOR	20
		21				2000	2000					22		
		23				2000	2000					24		
25	LIGHTS ROOM 202	25	1	20	1800	1800	1800	180	20	1	26	26	SPARE	26
27	OUTSIDE LTG.	27	1	20	550	550	550	180	20	1	28	28	EMERG BATT PACKS	28
29	LIGHTS ROOM 203,209	29	1	20	1540	1540	1540	4230	20	1	30	30	LIGHTS ROOM 204,205	30
31	LIGHTS ROOM 208	31	1	20	188	188	188	919	20	1	32	32	LIGHTS ROOM 206,207,209	32
33	ROLLUP DOORS	33	3	20	4489	1496	1496	42	20	1	34	34	EXIT LIGHTS	34
		35				1496	1496					36		
		37				1496	1496					38		
39	SPARE	39	1	20					20	1	40	40	SPARE	40
41	SPARE	41	1	20					20	1	42	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		FEEDER 4*300KCMIL		BUS 225A						
DP_01	26	PHASE 3	WIRE 4											
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	9000	20000	30	3	2	2	CRYOPUMP REGENERATOR	2
		3				9000	9000					4		
		5				9000	9000					6		
7	MAIN TURBO PUMP	7	1	20	400	400	400	30	20	3	8	8	SPARE	8
9	SPARE	9	1	20								10	SPARE	10
11	SPARE	11	1	20								12	SPARE	12
13	SPARE	13	1	20								14	SPARE	14
15	SPARE	15	3	20					20	3	16	16	SPARE	16
		17										18		
		19										20		
21	SPARE	21	1	20								22	SPARE	22
23	SPARE	23	1	20								24	SPARE	24
25	SPARE	25	1	20								26	SPARE	26
27	SPARE	27	1	20								28	SPARE	28
29	SPARE	29	1	20								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 200Y/120V								
FED FROM	CKT #	MOUNTING Surface Mount		MAIN 100A		FEEDER 4*2/0 & 1*4		BUS 100A						
DP_01	19	PHASE 3	WIRE 4											
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	1000	1000	1000	900	20	1	2	2	RCPT ROOM 202	2
3	SPARE	3	2	30				900	20	1	4	4	RCPT ROOM 203,204,205	4
		5						1000	20	1	6	6	RCPT ROOM 206,207,208	6
7	RCPT ROOM 206,207,208	7	1	20	900	300	300	240	20	1	8	8	EXHAUST FAN	8
9	RCPT ROOM 203,204,205	9	1	20	720	720	720		20	1	10	10	SPARE	10
11	RCPT ROOM 203	11	1	20	720	720	720	540	20	1	12	12	RCPT ROOM 203	12
13	INCANDESCENT LTS	13	1	20	300	300	300		20	1	14	14	SPARE	14
15	INCANDESCENT LTS	15	1	20	400	400	400		20	1	16	16	SPARE	16
17	PROPANE W.C. IGNITOR	17	1	20	180	180	180		20	1	18	18	SPARE	18
19	TRAP PRIMER	19	1	20	180	180	180		20	1	20	20	SPARE	20
21	SPARE	21	1	20					20	1	22	22	SPARE	22
23	SPARE	23	1	20					20	1	24	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		FEEDER 4*1 & 1*6		BUS 125A						
DP_01	31	PHASE 3	WIRE 4											
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	9000	20000	30	3	2	2	CRYOPUMP REGENERATOR	2
		3				9000	9000					4		
		5				9000	9000					6		
7	MAIN TURBO PUMP 1	7	1	20	400	400	400	30	20	3	8	8	SPARE	8
9	SPARE	9	1	20								10		
11	SPARE	11	1	20								12		
TOTAL						16067	15667	15667						
TOTAL CONNECTED LOAD (VA)						47401								
(AMPS)						57								

LIGO-D961029-02-0

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

ELECTRICAL
 END A AND B STATIONS
 PANEL SCHEDULES

TITLE NONE
 SHEET NUMBER PPI50969
 PROJECT NUMBER 8094
 REVISIONS
 LA-E-205

PARSONS
 100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

LIGO
 CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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
AS-BUILT DRAWINGS

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
2	8-7-98	JE	AK	AK	AK	ISSUED FOR AS-BUILT
1	2-28-97	J.G.	RDC	KCR	T.D.M.	GENERAL REVISIONS