

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	2000	2000	9000	20	3	2	HEATER HC-07	2		
3		3				2000	2000	2000					4		4	
5		5					2000	2000					6		6	
7	HEATER HC-08	7	3	20	9000	3000	3000	3000	6000	20	3	8	HEATER HC-05	8		
9		9				3000	3000	3000					10		10	
11		11					3000	3000					12		12	
13	HEATER HC-06	13	3	20	6000	2000	2000	2000	6000	20	3	14	HEATER HC-02	14		
15		15				2000	2000	2000					16		16	
17		17					2000	2000					18		18	
19	HEATER HC-04	19	3	20	6000	2000	2000	2000	6319	20	3	20	SUPPLY CRANE MOTOR	20		
21		21				2000	2000	2000					22		22	
23		23					2000	2000					24		24	
25	LIGHTS ROOM 202	25	1	20	1800	1800	1800	1800	1800	20	1	26	SPARE	26		
27	OUTSIDE LTG. ROOM 209	27	1	20	614	614	614	614	180	20	1	28	EMERG BATT PACKS	28		
29	LIGHTS ROOM 203,209	29	1	20	1540	1540	1540	1540	4230	20	1	30	LIGHTS ROOM 204,205	30		
31	LIGHTS ROOM 208	31	1	20	188	188	188	188	855	20	1	32	LIGHTS ROOM 206,207	32		
33	ROLLUP DOORS	33	3	20	4489	14%	42	42	42	20	1	34	EXIT LIGHTS	34		
35		35					14%		20	20	1	36	SPARE	36		
37		37					14%		20	20	1	38	SPARE	38		
39	SPARE	39	1	20					20	20	1	40	SPARE	40		
41	SPARE	41	1	20					20	20	1	42	SPARE	42		
TOTAL							21445	20438	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	9000	9000	20000	30	3	2	CRYOPUMP REGENERATOR	2		
3		3				9000	9000	9000					4		4	
5		5					9000	9000					6		6	
7	MAIN TURBO PUMP	7	1	20	400	400	400	400	30	20	3	8	SPARE	8		
9	SPARE	9											10	SPARE	10	
11	SPARE	11											12	SPARE	12	
13	SPARE	13											14	SPARE	14	
15	HU-01 RM 203	15	3	20	14000	4667	4667	4667	14000	20	3	16	HU-02 RM 203	16		
17		17				4667	4667	4667					18		18	
19		19					4667	4667					20		20	
21	SPARE	21											22	SPARE	22	
23	SPARE	23											24	SPARE	24	
25	SPARE	25											26	SPARE	26	
27	SPARE	27											28	SPARE	28	
29	SPARE	29											30	SPARE	30	
TOTAL							25401	25001	25001							
TOTAL CONNECTED LOAD (VA)							75403									
(AMPS)							90.7									

NOTE:
 1. PANELS DP_01, DP_02, VECA_01B AND VECA_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	1000	1000	1000	1000	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		5				0	0	0	1000	20	1	6	RCPT ROOM 206,207,208	6		
7	RCPT ROOM 206,207,208	7	1	20	900	300	300	300	240	20	1	8	EXHAUST FAN	8		
9	RCPT ROOM 203,204,205	9	1	20	720	720	720	720	20	20	1	10	SPARE	10		
11	RCPT ROOM 203	11	1	20	720	720	720	720	540	20	1	12	RCPT ROOM 203	12		
13	INCANDESCENT LTS	13	1	20	300	300	300	300	20	20	1	14	SPARE	14		
15	INCANDESCENT LTS	15	1	20	400	400	400	400	20	20	1	16	SPARE	16		
17	PROPANE W.C. IGNITOR	17	1	20	180	180	180	180	20	20	1	18	SPARE	18		
19	SPARE	19	1	20					20	20	1	20	SPARE	20		
21	SPARE	21	1	20					20	20	1	22	SPARE	22		
23	SPARE	23	1	20					20	20	1	24	SPARE	24		
TOTAL							3420	2020	2520							
TOTAL CONNECTED LOAD (VA)							7960									
(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	9000	9000	20000	30	3	2	CRYOPUMP REGENERATOR	2		
3		3				9000	9000	9000					4		4	
5		5					9000	9000					6		6	
7	MAIN TURBO PUMP 1	7	1	20	400	400	400	400	30	20	3	8	SPARE	8		
9	SPARE	9	1	20									10		10	
11	SPARE	11	1	20									12		12	
TOTAL							16067	15667	15667							
TOTAL CONNECTED LOAD (VA)							47401									
(AMPS)							57									

This document and the design it covers are the property of PARSONS. They are loaned only with the borrower's expressed written agreement that they will not be reproduced, copied, loaned, exhibited, or used in any other way, except by written consent from PARSONS to the borrower.

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION
 DRAWN M.M. 11-15-96
 CHECKED JCL 7-24-96
 ENGINEER CSE 10-25-96
 PROJ CSM 11/15/96



PARSONS
 100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

LIGO
 CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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

TITLE: ELECTRICAL END A AND B STATIONS PANEL SCHEDULES
 SHEET NUMBER: NONE CONTRACT NUMBER: PP150969 PROJECT NUMBER: 8094
LA-E-205