

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											4				
5		5											6				
7	HEATER HC-08	7	3		20	9000	3000	3000	3000	6000	20	3	8	HEATER HC-05	8		
9		9											10				
11		11											12				
13	HEATER HC-06	13	3		20	6000	2000	2000	2000	6000	20	3	14	HEATER HC-02	14		
15		15											16				
17		17											18				
19	HEATER HC-04	19	3		20	6000	2000	2000	2000	6319	20	3	20	SUPPLY CRANE MOTOR	20		
21		21											22				
23		23											24				
25	LIGHTS ROOM 202	25	1		20	1800	1800	0	0	1800	20	1	26	SPARE	26		
27	OUTSIDE LTG. ROOM 209	27	1		20	614	0	0	0	180	20	1	28	EMERG BATT PACKS	28		
29	LIGHTS ROOM 203,209	29	1		20	1540	0	0	0	4230	20	1	30	LIGHTS ROOM 204,205	30		
31	LIGHTS ROOM 208	31	1		20	180	0	0	0	855	20	1	32	LIGHTS ROOM 206,207	32		
33	ROLLUP DOORS	33	3		20	4489	1496	0	0	42	20	1	34	EXIT LIGHTS	34		
35		35											36	SPARE	36		
37		37											38	SPARE	38		
39	SPARE	39	1		20								40	SPARE	40		
41	SPARE	41	1		20								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											4				
5		5											6				
7	MAIN TURBO PUMP	7	1		20	400	400	0	0	400	30	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											18				
19		19											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)							98.7										

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	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		5								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	0	0	20	20	1	10	SPARE	10		
11	RCPT ROOM 203	11	1		20	720	0	0	0	540	20	1	12	RCPT ROOM 203	12		
13	INCANDESCENT LTS	13	1		20	300	300	0	0	20	20	1	14	SPARE	14		
15	INCANDESCENT LTS	15	1		20	400	0	0	0	20	20	1	16	SPARE	16		
17	PROPANE W.C. IGNITOR	17	1		20	180	0	0	0	180	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											4				
5		5											6				
7	MAIN TURBO PUMP 1	7	1		20	400	400	0	0	30	30	3	8	SPARE	8		
9	SPARE	9											10				
11	SPARE	11											12				
TOTAL							16067	15667	15667								
TOTAL CONNECTED LOAD (VA)							47401										
(AMPS)							57										

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REVISIONS	NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
B	7-24-96	MM	JCL				ISSUED FOR BID
A	6-14-96	MM	JCL				FINAL DESIGN REVIEW

DRAWN	M. M.
CHECKED	
ENGINEER	
PROJ	

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

ELECTRICAL
 END A AND B STATIONS
 PANEL SCHEDULES

NONE PPI50969 8094
LA-E-205

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