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PANEL RP_02		LOCATION ROOM 203										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed		MAIN Main lugs												
DP_01	20	PHASE 3	WIRE 4	FEEDER 4*300KCMIL	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	1	3			75000	25000	2667	0	8000			3	2	HEATER	2
3		3					25000	2667	0				4			
5		5					25000	2667	0				6			
7	HEATER	7	3			12000	4000	2667	0	8000			3	8	HEATER	8
9		9					4000	2667	0				10			
11		11					4000	2667	0				12			
13	HEATER	13	3			25000	8333	2000	0	6000			3	14	HEATER	14
15		15					8333	2000	0				16			
17		17					0	0	8333	2000			18			
19	HEATER	19	3			8000	2667	2106	0	6319			3	20	SUPPLY CRANE MOTOR	20
21		21					2667	2106	0				22			
23		23					0	0	2667	2106			24			
25	LIGHTS ROOM 202	25	1			1824	1284	0	0			1	26	Spare	26	
27	OUTSIDE LTG. ROOM 209	27	1			622	0	0	0	66		1	28	EMERG BATT PACKS	28	
29	LIGHTS ROOM 203,209	29	1			1547	0	0	1547	3234		1	30	LIGHTS ROOM 204,205	30	
31	LIGHTS ROOM 208	31	1			188	188	0	0	855		1	32	LIGHTS ROOM 206,207	32	
33	ROLLUP DOORS	33	1			4489	1496	0	43	43		1	34	EXIT LIGHTS	34	
35		35					0	0	1496			1	36	Spare	36	
37		37					0	0	1496			1	38	Spare	38	
39	Spare	39	1				0	0	0			1	40	Spare	40	
41	Spare	41	1				0	0	0			1	42	Spare	42	
TOTAL							53803	51667	55717							
TOTAL CONNECTED LOAD (VA)							161187									
(AMPS)																

PANEL VEAC_01B		LOCATION ROOM 203										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed		MAIN Main lugs												
DP_01	20	PHASE 3	WIRE 4	FEEDER 4*300KCMIL	BUS 125											
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	HEATING BLANKET CART	1	3			27000	9000	6667	0	20000			3	2	CRYOPUMP REGENERATOR	2
3		3					9000	6667	0				4			
5		5					9000	6667	0				6			
7	MAIN TURBO PUMP	7	1			400	400	0	0	20000			1	8	Spare	8
9	Spare	9					0	0	0				10		Spare	10
11	Spare	11					0	0	0				12		Spare	12
13	Spare	13					0	0	0				14		Spare	14
15	HU-01 RM 203	15	3			14000	4667	4667	0	14000			3	16	HU-02 RM 203	16
17		17					4667	4667	0				18			
19		19					0	0	4667	4667			20			
21	Spare	21					0	0	0				22		Spare	22
23	Spare	23					0	0	0				24		Spare	24
25	Spare	25					6667	0	0	20000			1	26	BEAM TUBE POWER	26
27	Spare	27					0	0	6667	0			1	28	BEAM TUBE POWER	28
29	Spare	29					0	0	0	6667			1	30	BEAM TUBE POWER	30
TOTAL							32068	31668	31668							
TOTAL CONNECTED LOAD (VA)							95404									
(AMPS)																

SEE NOTE 1

NOTE:
 1. THESE CIRCUITS ARE SPARE AT THE END STATION.


PANEL RP_01		LOCATION ROOM 203										VOLTS 208Y/120V				
FED FROM	CKT #	MOUNTING Surface Mount		MAIN												
DP_01	19	PHASE 3	WIRE 4	FEEDER 4*2/0 & 1*4	BUS 125											
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	RECP ROOM 202	1	1			1000	1000	0	0	900			1	2	RECP ROOM 202	2
3	INCINDLET	3	2			3600	0	1800	1800	900			1	4	RECP ROOM 203,204,205	4
5		5					0	0	1800	1000			1	6	RECP ROOM 206,207,208	6
7	RECP ROOM 206,207,208	7	1			900	900	0	0	240			1	8	EXHAUST FAN	8
9	RECP ROOM 203,204,205	9	1			720	0	720	0				1	10	Spare	10
11	RECP ROOM 203	11	1			720	0	0	720	540			1	12	RECP ROOM 203	12
13	Spare	13	1				0	0	0				1	14	Spare	14
15	Spare	15	1				0	0	0				1	16	Spare	16
17	Spare	17	1				0	0	0				1	18	Spare	18
19	Spare	19	1				0	0	0				1	20	Spare	20
21	Spare	21	1				0	0	0				1	22	Spare	22
23	Spare	23	1				0	0	0				1	24	Spare	24
TOTAL							3120	3420	4140							
TOTAL CONNECTED LOAD (VA)							10770									
(AMPS)																

PANEL VEAC_02B		LOCATION ROOM 202										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed		MAIN Main lugs												
DP_01	31	PHASE 3	WIRE 4	FEEDER 4*1 & 1*6	BUS 125											
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	HEATING BLANKET CART	1	3			27000	9000	6667	0	20000			3	2	CRYOPUMP REGENERATOR	2
3		3					9000	6667	0				4			
5		5					9000	6667	0				6			
7	MAIN TURBO PUMP 1	7	1			400	400	0	0	20000			1	8	BEAM TUBE POWER	8
9	Spare	9					0	0	6667	0			1	10	BEAM TUBE POWER	10
11	Spare	11					0	0	0	6667			1	12	BEAM TUBE POWER	12
TOTAL							22734	22334	22334							
TOTAL CONNECTED LOAD (VA)							67402									
(AMPS)																


SEE NOTE 1

REVISIONS	NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
	A	4-19-96	J.G.	J.K.	Y.L.	Y.L.	FINAL DESIGN REVIEW & BID
REFERENCES							
DRAWING NO.							
DESCRIPTION							

DRAWN	J.G.
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	SHEET NUMBER	CONTRACT NUMBER	PROJECT NUMBER
ELECTRICAL MID & END A STATIONS PANEL SCHEDULES	NONE	PP150969	8094
WA-E-205			

Date Received	4-19-96	LIGO DRAWING	415-A-D
Title	28	LIGO CONTRACT	WA-E-205 B01A
Date	4/19/96	Approved	0960837-00-U
Drawn		Approved	
Date		Approved	
Drawn Transmitter		Approved	
Date		Approved	