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PANEL 144LP.1		LOCATION ROOM 144										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed										MAIN				
		PHASE 3	WIRE 4			FEEDER			BUS 225							
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	LTG RM 147	1	1	15	855	855	0	0	2542	15	1	1	2	LTG RM 128,130,131,139,152	2	
3	LTG RM 122	3	1	20	1872	0	1872	0	332	15	1	4	4	LTG RM 148,149	4	
5	CORRIDOR 146	5	1	15	216	0	0	216	380	15	1	6	6	LTG RM 144,145	6	
7	LTG RM 136,137,151	7	1	15	352	352	0	0	150	15	1	8	8	EMERGENCY LIGHTING	8	
9	EXIT	9	1	15	10	0	10	0	1140	15	1	10	10	LTG 140,141,142,143,125	10	
11	LTG RM 123,124,126,127	11	1	15	1045	0	0	1045	1330	15	1	12	12	LTG RM 129-135	12	
13	L-CS-127-SV-08	13	3	20	13000	4333	0	0	8000	15	3	14	14	L-CS-136-WH-02	14	
15		15				0	0	0				16	16			
17		17				0	0	0				18	18			
19	L-CS-138-SV-28	19	3	20	13000	4333	0	0	13000	20	3	20	20	L-CS-132-SV-04	20	
21		21				0	0	0				22	22			
23		23				0	0	0				24	24			
25	L-CS-129-SV-06	25	3	20	13000	4333	720	0	720	20	1	26	26	PARKING LOT LIGHTING	26	
27		27				0	0	0				28	28	SPARE	28	
29		29				0	0	0				30	30	SPARE	30	
31	L-CS-146-SV-16A	31	3	20	13000	4333	0	0	13000	20	3	32	32	L-CS-146-SV-16B	32	
33		33				0	0	0				34	34			
35		35				0	0	0				36	36			
37	L-CS-147-SV-15	37	3	20	13000	4333	0	0	3000	15	3	38	38	L-CS-149-WH-01	38	
39		39				0	0	0				40	40			
41		41				0	0	0				42	42			
TOTAL						38616	37256	36968								
TOTAL CONNECTED LOAD (VA)						112840										
(AMPS)																

PANEL 163LP.1		LOCATION ROOM 163										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Square D										MAIN				
		PHASE 3	WIRE 4			FEEDER			BUS 225							
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	LTG RM 166	1	1	15	1824	1824	0	0	3135	15	1	2	2	LTG RM 167	2	
3	RM 160,161,163	3	1	15	1238	0	1238	0	1482	15	1	4	4	LTG RM 174	4	
5	LTG RM 175	5	1	15	2736	0	0	2736	884	15	1	6	6	LTG RM 171,172	6	
7	LTG RM 162	7	1	15	1425	1425	0	0	864	15	1	8	8	HALL	8	
9	LTG RM 173	9	1	15	2700	0	2700	0	760	15	1	10	10	LTG RM 169	10	
11	LTG RM 170	11	1	15	2400	0	0	2400	360	15	1	12	12	LTG RM 168	12	
13	L-CS-135-SV-01	13	3	20	13000	4333	0	0	19000	30	3	14	14	L-CS-138-SV-2A	14	
15		15				0	0	0				16	16			
17		17				0	0	0				18	18			
19	LTG RM 165	19	1	15	950	950	0	0	30	3	20	20	20	SPARE	20	
21	SPARE	21	1	15	0	0	0	0				22	22			
23	EMERGENCY LIGHTING	23	1	15	240	0	0	240				24	24			
25	SPARE	25	3	20	0	0	0	0	20	1	26	26	26	SPARE	26	
27		27				0	0	0				28	28	SPARE	28	
29		29				0	0	0				30	30	SPARE	30	
31	SPARE	31	1	20	0	0	0	0	15	1	32	32	32	SPARE	32	
33	SPARE	33	1	20	0	0	0	0	15	1	34	34	34	SPARE	34	
35	SPARE	35	1	20	0	0	0	0	15	1	36	36	36	SPARE	36	
37	SPARE	37	1	15	0	0	0	0	15	1	38	38	38	SPARE	38	
39	SPARE	39	1	15	0	0	0	0	15	1	40	40	40	SPARE	40	
41	SPARE	41	1	15	0	0	0	0	15	1	42	42	42	SPARE	42	
TOTAL						18864	16846	17286								
TOTAL CONNECTED LOAD (VA)						52996										
(AMPS)																

PANEL 172RP.1		LOCATION ROOM 172										VOLTS 208Y/120V				
FED FROM	CKT #	MOUNTING Recessed										MAIN				
		PHASE 3	WIRE 4			FEEDER			BUS 225							
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 RM 175	1	3	30	8646	2882	2882	0	8646	30	3	2	2	RCPT RM 175	2	
3		3				0	0	0				4	4			
5		5				0	0	0				6	6			
7	RCPT RM 174	7	3	30	8646	2882	0	0	1080	20	1	8	8	RCPT RM 173 GFCI, TRAP PRIMER	8	
9		9				0	0	0	900	20	1	10	10	RCPT RM 172	10	
11		11				0	0	0	1260	20	1	12	12	RCPT RM 175, TRAP PRIMER	12	
13	RCPT RM 170 GFCI	13	1	20	900	900	0	0	720	20	1	14	14	RCPT RM 174	14	
15	RCPT RM 171	15	1	20	900	0	0	0	1080	20	1	16	16	RCPT RM 175	16	
17	RCPT RM 174,175 GFCI	17	1	20	360	0	0	0	900	20	1	18	18	RCPT RM 175	18	
19	RCPT RM 175	19	1	20	900	0	0	0	8646	30	3	20	20	RCPT RM 167	20	
21	SPARE	21	1	20	0	0	0	0				22	22			
23	RCPT RM 174	23	1	20	900	0	0	0				24	24			
25	RCPT RM 167	25	3	30	8646	2882	0	0	20	20	1	26	26	SPARE	26	
27		27				0	0	0				28	28	SPARE	28	
29		29				0	0	0				30	30	SPARE	30	
31	SPARE	31	1	20	0	0	0	0	30	30	3	32	32	SPARE	32	
33	SPARE	33	1	20	0	0	0	0				34	34			
35	SPARE	35	1	20	0	0	0	0				36	36			
37	SPARE	37	1	20	0	0	0	0	20	20	1	38	38	SPARE	38	
39	SPARE	39	1	20	0	0	0	0	20	20	1	40	40	SPARE	40	
41	SPARE	41	1	20	0	0	0	0	20	20	1	42	42	SPARE	42	
TOTAL						18010	17290	17830								
TOTAL CONNECTED LOAD (VA)						53130										
(AMPS)																

PANEL 168RP.1		LOCATION ROOM 168										VOLTS 208Y/120V				
FED FROM	CKT #	MOUNTING Recessed										MAIN Main Lugs				
		PHASE 3	WIRE 4			FEEDER			BUS 225							
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 RM 169	1	3	30	8646	2882	2882	0	8646	30	3	2	2	RCPT RM 169	2	
3		3				0	0	0				4	4			
5		5				0	0	0				6	6			
7	RCPT RM 169	7	3	20	4992	1664	1664	0	5104	20	3	8	8	RCPT RM 169	8	
9		9				0	0	0				10	10			
11		11				0	0	0				12	12			
13	RCPT RM 166	13	1	20	360	360	0	0	540	20	1	14	14	RCPT RM 166	14	
15	RCPT RM 169 GFCI	15	1	20	720	0	0	0	360	20	1	16	16	RCPT RM 168 GFCI	16	
17	RCPT RM 167 GFCI	17	1	20	540	0	0	0	180	20	1	18	18	RCPT RM 166	18	
19	RCPT RM 166	19	1	20	180	0	0	0	720	20	1	20	20	RCPT RM 167	20	
21	RCPT RM 169 GFCI	21	1	20	720	0	0	0	720	20	1	22	22	RCPT RM 167	22	
23	RCPT RM 167, TRAP PRIMER	23	1	20	720	0	0	0	305	20	1	24	24	LTG STAIR 176, ROOF WALK/PLATF.	24	
25	RCPT RM 166	25	1	20	180	0	0	0	720	20	1	26	26	RCPT ROOF PLATFORM	26	
27	SPARE	27	1	20	0	0	0	0	180	15	1	28	28	RCPT RM 166	28	
29	SPARE	29	1	20	0	0	0	0	180	15	1	30	30	RCPT RM 166	30	
31	SPARE	31	3	30	0	0	0	0	20	3	32	32	32	SPARE	32	
33		33				0	0	0				34	34			
35		35				0	0	0				36	36			
37	SPARE	37	1	20	0	0	0	0	20	20	1	38	38	SPARE	38	
39	SPARE	39	1	20	0	0	0	0	20	20	1	40	40	SPARE	40	
41	SPARE	41	1	20	0	0	0	0	20	20	1	42	42	SPARE	42	
TOTAL						11829	11829	11054								
TOTAL CONNECTED LOAD (VA)						34712										
(AMPS)																

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
2	8-7-99	JE	R.K.	W.D.		ISSUED FOR AS-BUILT
1	2-28-97	J.G.	RDC	K.C.R.	F.D.M.	GENERAL REVISIONS

AS-BUILT DRAWINGS
 100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

PARSONS
 100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

LIGO
 CALIFORNIA INSTITUTE OF TECHNOLOGY
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 GRAVITATIONAL-WAVE OBSERVATORY
 SITE NO. 2 - LIVINGSTON, LOUISIANA
 ELECTRICAL STATION OSB
 LIGHTING AND POWER
 PANEL SCHEDULES