

ELECTRIC ROOM 410

PANEL: EHA VOLTAGE: 480 / 277 3Ø 4W CIRCUIT CODE: L - LIGHTING H - ELECTRIC HEATING
 BUS: 225A R - RECEPTACLES W - ELECT. WATER HTR
 DATE: 4/1/10 4:47 PM MAINS: L.O. MOUNTING: SURFACE A - AIR CONDITIONING
 FULLY RATED AIC: 35,000 NEMA 1 ENCLOSURE M - MOTOR O - MISCELLANEOUS
 JOB: 09.0394 K - KITCHEN

CIRCUIT NO.	CIRCUIT TYPE	LOAD DESIGNATION	DESCRIPTION (NOTE)	C O N N E C T E D V A						LOAD DESIGNATION	DESCRIPTION	TRIP	POLE	CODE	BK
				ØA	ØB	ØC	A	B	C						
1	20	1	SPARE							SPARE	20	1	L	2	
3	20	1	SPARE							SPARE	20	1	L	4	
5	20	1	SPARE							SPARE	20	1	L	6	
7	20	1	SPARE							SPARE	20	1	L	8	
9	20	1	SPARE							SPARE	20	1	L	10	
11	20	1	SPARE							SPARE	20	1	L	12	
13	20	1	SPARE							SPARE	20	1	L	14	
15	20	1	SPARE							SPARE	20	1	L	16	
17	20	1	SPARE							SPARE	20	1	L	18	
19	20	1	SPARE							SPARE	20	1	L	20	
21	20	1	SPARE							SPARE	20	1	L	22	
23	20	1	SPARE							SPARE	20	1	L	24	
25	20	1	SPARE							SPARE	20	1	L	26	
27	20	1	SPARE							SPARE	20	1	L	28	
29	20	1	SPARE							SPARE	20	1	L	30	
31	20	1	SPARE							SPARE	20	1	L	32	
33	20	1	SPARE							SPARE	20	1	L	34	
35	20	1	SPARE							SPARE	20	1	L	36	
37	20	1	SPARE							SPARE	20	1	L	38	
39	20	1	SPARE							SPARE	20	1	L	40	
41	20	1	SPARE							SPARE	20	1	L	42	

PHASE TOTALS PH A: 26500 PH B: 26500 PH C: 26500 TOTAL CONNECTED VA 79500
 PANEL CONNECTED KVA 79.5
 PANEL DEMAND KVA 80.6
 PANEL DEMAND AMPS 97.0

NOTICE:
 1. PANEL SHALL BE COORDINATION PANEL UTILIZING FUSE/CIRCUIT BREAKER COMBINATIONS AS MANUFACTURED BY LITTLE FUSE, C-H OR EQUAL. FUSES SHALL MATCH BREAKER SIZES INDICATED.

CALCULATION BY LOAD TYPE:
 LIGHTING 0 VOLTAMPS x 1.25 = 0 VOLTAMPS
 RECEPTACLES - 1ST 10KVA 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 RECEPTACLES - BALANCE 0 VOLTAMPS x 0.50 = 0 VOLTAMPS
 LARGEST MOTOR LOAD 4,500 VOLTAMPS x 1.25 = 5,625 VOLTAMPS
 BALANCE OF MOTOR LOADS 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 KITCHEN EQUIPMENT 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 ELECTRIC HEATING EQUIPMENT 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 ELECTRIC WATER HEATER 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 AIR CONDITIONING 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 MISC LOADS 75,000 VOLTAMPS x 1.00 = 75,000 VOLTAMPS
 TOTAL CALCULATED DEMAND LOAD = 80,625 VOLTAMPS
 97.0 FULL LOAD AMPS

ELECTRIC ROOM 410

PANEL: ELAS VOLTAGE: 208 / 120 3Ø 4W CIRCUIT CODE: L - LIGHTING H - ELECTRIC HEATING
 BUS: 225A R - RECEPTACLES W - ELECT. WATER HTR
 DATE: 4/1/10 4:49 PM MAINS: L.O. MOUNTING: SURFACE A - AIR CONDITIONING
 FULLY RATED AIC: 10,000 NEMA 1 ENCLOSURE M - MOTOR O - MISCELLANEOUS
 JOB: 09.0394 K - KITCHEN

CIRCUIT NO.	CIRCUIT TYPE	LOAD DESIGNATION	DESCRIPTION (NOTE)	C O N N E C T E D V A						LOAD DESIGNATION	DESCRIPTION	TRIP	POLE	CODE	BK
				ØA	ØB	ØC	A	B	C						
1	20	1	FA PANEL	500						LTS - STAIR 24	20	1	L	2	
3	20	1	FA PANEL		500					LTS - STAIR	20	1	L	4	
5	20	1	FA PANEL			500				LTS - STAIR	20	1	L	6	
7	20	1	FA PANEL	500						ELEV. CAB LTS	20	1	L	8	
9	20	1	FA PANEL		500					LTS - ORCHESTRA LVL	20	1	L	10	
11	20	1	FA PANEL			500				LTS - ORCHESTRA LVL	20	1	L	12	
13	20	1	LTS - EXT. SOUTH							LTS - LOGE LVL	20	1	L	14	
15	20	1	LTS - EXT. EAST/WEST	320						LTS - LOGE LVL	20	1	L	16	
17	20	1	LTS - EXT. DIMMER ROOM		500					LTS - UPPER BALCONY LVL	20	1	L	18	
19	20	1	SPARE							LTS - UPPER BALCONY LVL	20	1	L	20	
21	20	1	SPARE							LTS - LADIES RR/LOUNGE	20	1	L	22	
23	20	1	SPARE							LTS - MECHANICAL ROOM	20	1	L	24	
25	20	1	SPARE							LTS - MID BALCONY OFFICES	20	1	L	26	
27	20	1	SPARE							ELEV. CAB LTS	20	1	L	28	
29	20	1	SPARE							SPARE	20	1	L	30	
31	20	1	SPARE							SPARE	20	1	L	32	
33	20	1	SPARE							SPARE	20	1	L	34	
35	20	1	SPARE							SPARE	20	1	L	36	
37	20	1	SPARE							SPARE	20	1	L	38	
39	20	1	SPARE							SPARE	20	1	L	40	
41	20	1	SPARE							SPARE	20	1	L	42	

PHASE TOTALS PH A: 5326 PH B: 5692 PH C: 3418 TOTAL CONNECTED VA 14436
 PANEL CONNECTED KVA 14.4
 PANEL DEMAND KVA 17.4
 PANEL DEMAND AMPS 48.4

NOTICE:
 1. PANEL SHALL BE COORDINATION PANEL UTILIZING FUSE/CIRCUIT BREAKER COMBINATIONS AS MANUFACTURED BY LITTLE FUSE, C-H OR EQUAL. FUSES SHALL MATCH BREAKER SIZES INDICATED.

CALCULATION BY LOAD TYPE:
 LIGHTING 11,936 VOLTAMPS x 1.25 = 14,920 VOLTAMPS
 RECEPTACLES - 1ST 10KVA 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 RECEPTACLES - BALANCE 0 VOLTAMPS x 0.50 = 0 VOLTAMPS
 LARGEST MOTOR LOAD 0 VOLTAMPS x 1.25 = 0 VOLTAMPS
 BALANCE OF MOTOR LOADS 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 KITCHEN EQUIPMENT 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 ELECTRIC HEATING EQUIPMENT 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 ELECTRIC WATER HEATER 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 AIR CONDITIONING 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 MISC LOADS 2,500 VOLTAMPS x 1.00 = 2,500 VOLTAMPS
 TOTAL CALCULATED DEMAND LOAD = 17,420 VOLTAMPS
 48.4 FULL LOAD AMPS

ELECTRIC ROOM 410

PANEL: XHA VOLTAGE: 480 / 277 3Ø 4W CIRCUIT CODE: L - LIGHTING H - ELECTRIC HEATING
 BUS: 225A R - RECEPTACLES W - ELECT. WATER HTR
 DATE: 4/1/10 4:54 PM MAINS: L.O. MOUNTING: SURFACE A - AIR CONDITIONING
 FULLY RATED AIC: 35,000 NEMA 1 ENCLOSURE M - MOTOR O - MISCELLANEOUS
 JOB: 09.0394 K - KITCHEN

CIRCUIT NO.	CIRCUIT TYPE	LOAD DESIGNATION	DESCRIPTION (NOTE)	C O N N E C T E D V A						LOAD DESIGNATION	DESCRIPTION	TRIP	POLE	CODE	BK
				ØA	ØB	ØC	A	B	C						
1	LM	40	SE-1	8380						FC-31	15	M	2		
3	LM	40	SE-2		8380					SPARE	20	1	L	4	
5	LM	40	SE-3			8380				SPARE	20	1	L	6	
7	M	30	GWE-1							FC-30	15	M	8		
9	M	30	SE-1	5790						SPARE	20	1	L	10	
11	M	30	SE-2		5790					SPARE	20	1	L	12	
13	M	30	SE-3			5790				SPARE	20	1	L	14	
15	M	30	SE-4							SPARE	20	1	L	16	
17	M	30	SE-5							SPARE	20	1	L	18	
19	M	30	GWE-2							SPARE	20	1	L	20	
21	M	30	SE-6							SPARE	20	1	L	22	
23	M	30	SE-7							SPARE	20	1	L	24	
25	20	1	SPARE							SPARE	20	1	L	26	
27	20	1	SPARE							SPARE	20	1	L	28	
29	20	1	SPARE							SPARE	20	1	L	30	
31	20	1	SPARE							SPARE	20	1	L	32	
33	20	1	SPARE							SPARE	20	1	L	34	
35	20	1	SPARE							SPARE	20	1	L	36	
37	0	60	XTRM T-XLA'	10000						SPARE	20	1	L	38	
39	0	60	XTRM T-XLA'		10000					SPARE	20	1	L	40	
41	0	60	XTRM T-XLA'			10000				SPARE	20	1	L	42	

PHASE TOTALS PH A: 36636 PH B: 36636 PH C: 36636 TOTAL CONNECTED VA 109908
 PANEL CONNECTED KVA 109.9
 PANEL DEMAND KVA 116.2
 PANEL DEMAND AMPS 139.8

NOTICE:
 1. PANEL SHALL BE COORDINATION PANEL UTILIZING FUSE/CIRCUIT BREAKER COMBINATIONS AS MANUFACTURED BY LITTLE FUSE, C-H OR EQUAL. FUSES SHALL MATCH BREAKER SIZES INDICATED.

CALCULATION BY LOAD TYPE:
 LIGHTING 0 VOLTAMPS x 1.25 = 0 VOLTAMPS
 RECEPTACLES - 1ST 10KVA 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 RECEPTACLES - BALANCE 0 VOLTAMPS x 0.50 = 0 VOLTAMPS
 LARGEST MOTOR LOAD 25,140 VOLTAMPS x 1.25 = 31,425 VOLTAMPS
 BALANCE OF MOTOR LOADS 54,768 VOLTAMPS x 1.00 = 54,768 VOLTAMPS
 KITCHEN EQUIPMENT 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 ELECTRIC HEATING EQUIPMENT 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 ELECTRIC WATER HEATER 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 AIR CONDITIONING 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 MISC LOADS 30,000 VOLTAMPS x 1.00 = 30,000 VOLTAMPS
 TOTAL CALCULATED DEMAND LOAD = 116,193 VOLTAMPS
 139.8 FULL LOAD AMPS

ELECTRIC ROOM 410

PANEL: ELA VOLTAGE: 208 / 120 3Ø 4W CIRCUIT CODE: L - LIGHTING H - ELECTRIC HEATING
 BUS: 225A R - RECEPTACLES W - ELECT. WATER HTR
 DATE: 4/1/10 4:04 PM MAINS: 225A C.B. MOUNTING: SURFACE A - AIR CONDITIONING
 FULLY RATED AIC: 10,000 NEMA 1 ENCLOSURE M - MOTOR O - MISCELLANEOUS
 JOB: 09.0394 K - KITCHEN

CIRCUIT NO.	CIRCUIT TYPE	LOAD DESIGNATION	DESCRIPTION (NOTE)	C O N N E C T E D V A						LOAD DESIGNATION	DESCRIPTION	TRIP	POLE	CODE	BK	
				ØA	ØB	ØC	A	B	C							
1	L	20	1	ETR-DR4	1400					1	ETR-RP2	20	1	L	2	
3	L	20	1	ETR-DR4		700				828	1	ETR-RP3	20	1	L	4
5	L	20	1	ETR-DR4			1280			600	1	ETR-RP3	20	1	L	6
7	L	20	1	ETR-DR5	1280					500	1	ETR-RP3	20	1	L	8
9	L	20	1	ETR-DR5		950				678	1	ETR-RP3	20	1	L	10
11	L	20	1	ETR-DR5			1200			1280	2	ETR-RP2	20	1	L	12
13	L	20	1	ETR-DR5		1200				818	3	ETR-RP3	20	1	L	14
15	L	20	1	ETR-DR5			1725			986	3	ETR-RP3	20	1	L	16
17	L	20	1	ETR-DR5				1725		874	3	ETR-RP3	20	1	L	18
19	L	20	1	ETR-DR5					150		GEN. CHARGER	20	1	L	20	
21	L	20	1	ETR-DR5						2500	GEN. HEATER	30	0	22		
23	L	20	1	ETR-DR5						2500	---	2	0	24		
25	L	20	1	ETR-DR5							SPARE	20	1	L	26	
27	L	20	1	ETR-DR5							SPARE	20	1	L	28	
29	L	20	1	ETR-DR5							SPARE	20	1	L	30	
31	L	20	1	ETR-DR5							SPARE	20	1	L	32	
33	L	20	1	ETR-DR5							SPARE	20	1	L	34	
35	L	20	1	ETR-DR5							SPARE	20	1	L	36	
37	L	20	1	ETR-DR5							PANEL 'ELB'	100	0	38		
39	L	20	1	ETR-DR5							---	---	---	---	40	
41	L	20	1	ETR-DR5							---	---	---	---	42	

PHASE TOTALS PH A: 15062 PH B: 16419 PH C: 16910 TOTAL CONNECTED VA 48391
 PANEL CONNECTED KVA 48.4
 PANEL DEMAND KVA 56.4
 PANEL DEMAND AMPS 156.6

NOTICE:
 1. REFER TO DIMMER SCHEDULES
 2. SEE PANEL LB4TA.
 3. SEE PANEL LA2TB.

NOTICE:
 1. FURNISH PANEL WITH FEED THRU LUGS.
 2. PANEL SHALL BE COORDINATION PANEL UTILIZING FUSE/CIRCUIT BREAKER COMBINATIONS AS MANUFACTURED BY LITTLE FUSE, C-H OR EQUAL. FUSES SHALL MATCH BREAKER SIZES INDICATED.

CALCULATION BY LOAD TYPE:
 LIGHTING 32,063 VOLTAMPS x 1.25 = 40,079 VOLTAMPS
 RECEPTACLES - 1ST 10KVA 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 RECEPTACLES - BALANCE 0 VOLTAMPS x 0.50 = 0 VOLTAMPS
 LARGEST MOTOR LOAD 0 VOLTAMPS x 1.25 = 0 VOLTAMPS
 BALANCE OF MOTOR LOADS 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 KITCHEN EQUIPMENT 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 ELECTRIC HEATING EQUIPMENT 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 ELECTRIC WATER HEATER 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 AIR CONDITIONING 0 VOLTAMPS x 1.00 = 0 VOLTAMPS
 MISC LOADS 16,328 VOLTAMPS x 1.00 = 16,328 VOLTAMPS
 TOTAL CALCULATED DEMAND LOAD = 56,407 VOLTAMPS
 156.6 FULL LOAD AMPS

LEVEL 4 STAGE RIGHT

PANEL: ELB VOLTAGE: 208 / 120 3Ø 4W CIRCUIT CODE: L - LIGHTING H - ELECTRIC HEATING
 BUS: 225A R - RECEPTACLES W - ELECT. WATER HTR
 DATE: 4/1/10 4:51 PM MAINS: L.O. MOUNTING: SURFACE A - AIR CONDITIONING
 FULLY RATED AIC: 10,000 NEMA 1 ENCLOSURE M - MOTOR O - MISCELLANEOUS
 JOB: 09.0394 K - KITCHEN

CIRCUIT NO.	CIRCUIT TYPE	LOAD DESIGNATION	DESCRIPTION (NOTE)	C O N N E C T E D V A						LOAD DESIGNATION	DESCRIPTION	TRIP	POLE	CODE	BK	
				ØA	ØB	ØC	A	B	C							
1	L	20	1	LTS - DRESSING RMS	392					1	ETR-RP1	20	1	L	2	
3	L	20	1	LTS - DRESSING RMS		944				1108	1	ETR-RP1	20	1	L	4
5	L	20	1	LTS - CORRIDOR			1408			1228	1	ETR-RP1	20	1	L	6
7	L															