

STORAGE 223

PANEL: LA2C VOLTAGE: 208 / 120 3Ø 4W BUS: 225A L.O. MOUNTING: SURFACE FULLY RATED AIC: 10,000 NEMA 1 ENCLOSURE

DATE: 4/1/10 3:54 PM JOB: 09.0394

CIRCUIT NO.	CIRCUIT TYPE	LOAD DESIGNATION (NOTE)	C O N N E C T E D V A						LOAD DESIGNATION (NOTE)	DESCRIPTION	TRIP	POLE	CIRCUIT CODE
			ØA	ØB	ØC	A/B/C	ØA	ØB					
1	R 20 1	REC - MAINT. HR						2500	REC - ESPRESSO E302	30	1	K 2	
3	R 20 1	REC - MAINT. HR						2500	---	2	K 4		
5	R 20 1	REC - MAINT. HL						840	REC - REF E301	20	1	K 6	
7	R 20 1	REC - MAINT. HL						180	REC - CONV E305	20	1	K 8	
9	R 20 1	REC - MAINT. HL						180	REC - CONV E305	20	1	K 10	
11	R 20 1	REC - MAINT. MID BALC.						180	REC - CONV E308	20	1	K 12	
13	R 20 1	REC - MAINT UP BALC.						180	1 REC - POS E306	20	1	K 14	
15	R 20 1	REC - MAINT GRID						180	1 REC - POS E307	20	1	K 16	
17	R 20 1	REC - MAINT GRID						840	LTS - LADIES RR LOGE	20	1	L 18	
19	R 20 1	REC - RR UP BALC HR						900	LTS - LADIES LOUNGE LOGE	20	1	L 20	
21	R 20 1	REC - RR UP BALC HR						1140	---	20	1	L 22	
23	R 20 1	REC - RR UP BALC HL						---	SPARE	20	1	L 24	
25	O 20 1	FC-27						---	SPARE	20	1	L 26	
27	O 20 1	FC-28						350	---	20	1	L 28	
29	O 20 1	SPARE						---	SPARE	20	1	L 30	
31	O 20 1	SPARE						---	SPARE	20	1	L 32	
33	O 20 1	SPARE						---	SPARE	20	1	L 34	
35	O 20 1	SPARE						---	SPARE	20	1	L 36	
37	O 20 1	SPARE						---	SPARE	20	1	L 38	
39	O 20 1	SPARE						---	SPARE	20	1	L 40	
41	O 20 1	SPARE						500	VAV BOXES	20	1	L 42	

PANEL NOTES:
1. PROVIDE GFI BREAKER

NOTICE:
1. FURNISH PANEL WITH ISOLATED GROUND BUS.

CALCULATION BY LOAD TYPE:

LIGHTING	2,980	VOLTAMPS x 1.25 =	3,660	VOLTAMPS
RECEPTACLES - 1ST 10KVA	7,350	VOLTAMPS x 1.00 =	7,350	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	6,380	VOLTAMPS x 0.70 =	4,466	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	1,200	VOLTAMPS x 1.00 =	1,200	VOLTAMPS

TOTAL CALCULATED DEMAND LOAD = 16,646 VOLTAMPS
46.2 FULL LOAD AMPS

STORAGE 308

PANEL: LA3A VOLTAGE: 208 / 120 3Ø 4W BUS: 225A L.O. MOUNTING: SURFACE FULLY RATED AIC: 10,000 NEMA 1 ENCLOSURE

DATE: 4/1/10 3:29 PM JOB: 09.0394

CIRCUIT NO.	CIRCUIT TYPE	LOAD DESIGNATION (NOTE)	C O N N E C T E D V A						LOAD DESIGNATION (NOTE)	DESCRIPTION	TRIP	POLE	CIRCUIT CODE
			ØA	ØB	ØC	A/B/C	ØA	ØB					
1	R 20 1	REC - COPIER						1200	REC - CONF RM	20	1	R 2	
3	R 20 1	REC - OFFICE						720	REC - CONF RM	20	1	R 4	
5	R 20 1	REC - OFFICE						900	REC - KITCHEN	20	1	R 6	
7	R 20 1	REC - OFFICE						180	REC - KITCHEN	20	1	R 8	
9	R 20 1	REC - OFFICE						540	REC - DISHWASHER	20	1	R 10	
11	R 20 1	REC - OFFICE						360	REC - KITCHEN	20	1	R 12	
13	R 20 1	REC - OFFICE						720	REC - REFRIG.	20	1	R 14	
15	R 20 1	REC - OFFICE						720	LTS - CONF	20	1	L 16	
17	R 20 1	REC - OFFICE						1190	LTS - OFFICE	20	1	L 18	
19	R 20 1	REC - OFFICE						720	LTS - RECEPTION	20	1	L 20	
21	R 20 1	REC - OFFICE						720	LTS - OFFICE	20	1	L 22	
23	R 20 1	REC - OFFICE						900	---	20	1	L 24	
25	R 20 1	REC - CORR./STOR						720	---	20	1	L 26	
27	R 20 1	REC - CORR./RR						720	---	20	1	L 28	
29	O 20 1	REC - EWC						596	---	20	1	L 30	
31	O 20 1	SPARE						---	SPARE	20	1	L 32	
33	O 20 1	SPARE						---	SPARE	20	1	L 34	
35	O 20 1	SPARE						---	SPARE	20	1	L 36	
37	O 20 1	SPARE						---	SPARE	20	1	L 38	
39	O 20 1	SPARE						500	VAV BOXES	20	1	L 40	
41	O 20 1	SPARE						500	VAV BOXES	20	1	L 42	

PANEL NOTES:
PHASE TOTALS PH A: 6540 PH B: 8060 PH C: 5356 TOTAL CONNECTED VA 19956
PANEL CONNECTED KVA 20.0
PANEL DEMAND KVA 19.1
PANEL DEMAND AMPS 52.9

CALCULATION BY LOAD TYPE:

LIGHTING	4,380	VOLTAMPS x 1.25 =	5,475	VOLTAMPS
RECEPTACLES - 1ST 10KVA	10,000	VOLTAMPS x 1.00 =	10,000	VOLTAMPS
RECEPTACLES - BALANCE	3,980	VOLTAMPS x 0.50 =	1,990	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	1,596	VOLTAMPS x 1.00 =	1,596	VOLTAMPS

TOTAL CALCULATED DEMAND LOAD = 19,061 VOLTAMPS
52.9 FULL LOAD AMPS

CATERING KITCHEN 403

PANEL: LA4B VOLTAGE: 208 / 120 3Ø 4W BUS: 225A L.O. MOUNTING: FLUSH FULLY RATED AIC: 10,000 NEMA 1 ENCLOSURE

DATE: 4/1/10 5:15 PM JOB: 09.0394

CIRCUIT NO.	CIRCUIT TYPE	LOAD DESIGNATION (NOTE)	C O N N E C T E D V A						LOAD DESIGNATION (NOTE)	DESCRIPTION	TRIP	POLE	CIRCUIT CODE
			ØA	ØB	ØC	A/B/C	ØA	ØB					
1	K 20 1	REC - CONV E501						180	WALK-IN COOLER E527	20	1	K 2	
3	K 20 1	REC - CONV E505						180	EVAP COIL E528	20	1	K 4	
5	K 20 1	REC - CONV E509						180	WALK-IN FREEZER E529	20	1	K 6	
7	K 20 1	REC - CONV E510						180	EVAP COIL E528	15	K 8		
9	K 20 1	REC - ICE TEA E511						1920	---	2	K 10		
11	K 20 1	REC - REACH IN E515						840	COND UNIT E531	15	K 12		
13	K 20 1	REC - CONV E516						180	---	2	K 14		
15	K 20 1	REC - CONV E517						180	---	3	K 16		
17	K 20 1	REC - CONV E517						180	COND UNIT E532	15	K 18		
19	K 20 1	REC - CONV E517						180	---	2	K 20		
21	K 20 1	REC - CONV E526						180	---	3	K 22		
23	K 20 1	REC - CONV E517						180	ICE MAKER E502/E535	20	K 24		
25	K 30	COFFEE BREWER E512						2300	---	2	K 26		
27	K 2	---						2300	ICE MAKER E503/E536	20	K 28		
29	L 20 1	LTS - KITCHEN						1260	---	2	K 30		
31	O 20 1	SPARE						---	SPARE	20	1	L 32	
33	O 20 1	SPARE						---	SPARE	20	1	L 34	
35	O 20 1	SPARE						---	SPARE	20	1	L 36	
37	O 20 1	SPARE						---	SPARE	20	1	L 38	
39	O 20 1	SPARE						---	SPARE	20	1	L 40	
41	O 20 1	SPARE						---	SPARE	20	1	L 42	

PANEL NOTES:
PHASE TOTALS PH A: 7680 PH B: 9252 PH C: 7268 TOTAL CONNECTED VA 24200
PANEL CONNECTED KVA 24.2
PANEL DEMAND KVA 16.5
PANEL DEMAND AMPS 45.8

CALCULATION BY LOAD TYPE:

LIGHTING	1,260	VOLTAMPS x 1.25 =	1,575	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	22,940	VOLTAMPS x 0.65 =	14,911	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	0	VOLTAMPS x 1.00 =	0	VOLTAMPS

TOTAL CALCULATED DEMAND LOAD = 16,486 VOLTAMPS
45.8 FULL LOAD AMPS

STORAGE 223

PANEL: LA2D VOLTAGE: 208 / 120 3Ø 4W BUS: 225A L.O. MOUNTING: SURFACE FULLY RATED AIC: 10,000 NEMA 1 ENCLOSURE

DATE: 4/1/10 3:55 PM JOB: 09.0394

CIRCUIT NO.	CIRCUIT TYPE	LOAD DESIGNATION (NOTE)	C O N N E C T E D V A						LOAD DESIGNATION (NOTE)	DESCRIPTION	TRIP	POLE	CIRCUIT CODE
			ØA	ØB	ØC	A/B/C	ØA	ØB					
1	K 20 1	REC - CONV E309						180	REC - CONV E325	20	1	K 2	
3	K 20 1	REC - CONV E309						180	REC - CONV E325	20	1	K 4	
5	K 20 1	REC - CONV E310						180	REC - LIQUOR GUN E326	20	1	K 6	
7	K 20 1	REC - LIQUOR GUN E311						180	REC - CONV E327	20	1	K 8	
9	K 20 1	REC - SODA GUN E310						180	REC - SODA GUN E330	20	1	K 10	
11	K 20 1	REC - BOTTLE COOLER E317						1800	REC - BOTTLE COOLER E331	20	1	K 12	
13	K 20 1	REC - CONV E320						180	REC - LIQUOR GUN E332	20	1	K 14	
15	K 20 1	REC - SODA GUN E319						180	REC - SODA GUN E335	20	1	K 16	
17	K 20 1	REC - LIQUOR GUN E318						180	REC - CONV E336	20	1	K 18	
19	R 20 1	REC - POS E312						180	1 REC - POS E328	20	1	R 20	
21	R 20 1	REC - POS E315						180	1 REC - POS E309	20	1	R 22	
23	R 20 1	REC - POS E312						180	1 REC - POS E337	20	1	R 24	
25	R 20 1	REC - POS E322						180	1 REC - POS E338	20	1	R 26	
27	K 20 1	REC - CONV E351						180	REC - CONV E339	20	1	K 28	
29	K 20 1	REC - CONV E349						180	REC - LIQUOR GUN E340	20	1	K 30	
31	K 20	ICE MAKER E350						853	REC - SODA GUN E345	20	1	K 32	
33	K 2	---						853	REC - BOTTLE COOLER E346	20	1	K 34	
35	O 20 1	SPARE						---	REC - CONV E347	20	1	K 36	
37	O 20 1	SPARE						---	REC - CONV E348	20	1	K 38	
39	O 20 1	SPARE						---	1 REC - POS E341	20	1	R 40	
41	O 20 1	SPARE						---	1 REC - POS E342	20	1	R 42	

PANEL NOTES:
1. PROVIDE GFI BREAKER

NOTICE:
1. FURNISH PANEL WITH ISOLATED GROUND BUS.

CALCULATION BY LOAD TYPE:

LIGHTING	0	VOLTAMPS x 1.25 =	0	VOLTAMPS
RECEPTACLES - 1ST 10KVA	1,800	VOLTAMPS x 1.00 =	1,800	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	10,178	VOLTAMPS x 0.65 =	6,616	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	0	VOLTAMPS x 1.00 =	0	VOLTAMPS

TOTAL CALCULATED DEMAND LOAD = 8,416 VOLTAMPS
23.4 FULL LOAD AMPS

UPPER BALCONY ARCADE

PANEL: LA4A VOLTAGE: 208 / 120 3Ø 4W BUS: 225A L.O. MOUNTING: SURFACE FULLY RATED AIC: 10,000 NEMA 1 ENCLOSURE

DATE: 4/1/10 5:15 PM JOB: 09.0394

CIRCUIT NO.	CIRCUIT TYPE	LOAD DESIGNATION (NOTE)	C O N N E C T E D V A						LOAD DESIGNATION (NOTE)	DESCRIPTION	TRIP	POLE	CIRCUIT CODE
			ØA	ØB	ØC	A/B/C	ØA	ØB					
1	R 20 1	REC - CONF ROOM						900	REC - MECH CORR	20	1	R 2	
3	R 20 1	REC - CONF ROOM						720	REC - MECH CORR	20	1	R 4	
5	R 20 1	REC - OFFICE						720	REC - MECH CORR	20	1	R 6	
7	R 20 1	REC - OFFICE						720	REC - OFFICE	20	1	R 8	
9	R 20 1	REC - OFFICE						720	FC-26	20	1	O 10	
11	R 20 1	REC - REFRIG						600	---</				