

Panel: LBA1 EXISTING												
Location: Elec B046			Mounting: Surface			A.I.C. Rating:			Mains Type: 200 A			
Supply From: T1-LB1			Enclosure: Type 1			Mains Type: 200 A			Mains Rating: 200 A			
Voltage: 120/208 Wye-3PH-4W												
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT		
1	EXIST VEND	20 A	1	500 VA	500 VA		1	20 A	EXIST VEND	2		
3	EXIST VEND	20 A	1	500 VA	500 VA		1	20 A	EXIST VEND	4		
5	EXIST VEND	20 A	1	500 VA	500 VA		1	20 A	EXIST VEND	6		
7	EXIST VEND	20 A	1	500 VA	500 VA		1	20 A	EXIST VEND	8		
9	EXIST VEND	20 A	1	500 VA	500 VA		1	20 A	EXIST VEND	10		
11	EXIST VEND	20 A	1	500 VA	500 VA		1	20 A	EXIST VEND	12		
13	EXIST VEND	20 A	1	500 VA	500 VA		1	20 A	EXIST VEND	14		
15	EXIST R	20 A	1	180 VA	800 VA		1	20 A	EXIST MICRO W	16		
17	EXIST R	20 A	1	180 VA	180 VA		1	20 A	EXIST R	18		
19	EXIST MICRO W	20 A	1	800 VA	180 VA		1	20 A	EXIST R	20		
21	EXIST WC	20 A	1	500 VA	500 VA		1	20 A	EXIST WC	22		
23	EXIST R	20 A	1	600 VA	900 VA		1	20 A	EXIST R	24		
25	EXIST R	20 A	1	900 VA	500 VA		1	20 A	EXIST R	26		
27	Receptacle	20 A	1	1080...			1	20 A	EXIST R	28		
29	Receptacle	20 A	1	1440...	600 VA		1	20 A	EXIST R	30		
31	EXIST R	20 A	1	600 VA	600 VA		1	20 A	EXIST R	32		
33	Spare	20 A	1	0 VA	500 VA		1	20 A	EXIST R	34		
35	EXIST R	20 A	1	0 VA	600 VA		1	20 A	EXIST R	36		
37	Spare	20 A	1	0 VA	0 VA		1	20 A	EXIST R	38		
39	EXIST R	20 A	1	900 VA	0 VA		1	20 A	COFFEE MACHINE	40		
41	Spare	20 A	1	0 VA	0 VA		1	20 A	FUTURE EQUIPMENT	42		
<b>Total Load:</b>				6.58 kVA	6.46 kVA	7.10 kVA						
Load Classification												
Receptacle	Connected...	Demand Factor	Estimated...	Panel Totals								
Receptacle	2520 VA	100.00%	2520 VA	Total Conn. Load:	20140 VA							
Spare	17620 VA	100.00%	17620 VA	Total Est. Demand:	20140 VA							
				Total Conn.:	56 A							
				Total Est. Demand:	56 A							
Notes:												
1) PROVIDE NEW GFCI BREAKERS AT ALL EXISTING VEND MACHINE BREAKER LOCATIONS.												
TOTAL CONNECTED												
				20.14 kVA					ESTIMATED DEMAND			
				20.14 kVA					20.14 kVA (56 A)			

Panel: 1BA2 EXISTING												
Location: Elec 1083			Mounting: Surface			A.I.C. Rating:			Mains Type: MB			
Supply From: T-1B1			Enclosure: Type 1			Mains Type: MB			Mains Rating: 200 A			
Voltage: 120/208 Wye-3PH-4W												
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT		
1	Receptacle	20 A	1	720 VA	180 VA		1	20 A	EXIST DOOR	2		
3	Receptacle	20 A	1	180 VA	720 VA		1	20 A	Receptacle	4		
5	ECH-1	30 A	2	2496...	156 VA	2496...	360 VA	1	20 A	Receptacle	6	
7	--	--	--	2496...	156 VA		1	20 A	CUH-2	8		
9	FC-1-5	15 A	2	334 VA	334 VA		2	15 A	FC-1-6	10		
11	--	--	--	334 VA	334 VA		2	15 A	--	12		
13	VAV	20 A	2	582 VA	582 VA		2	20 A	VAV	14		
15	--	--	--	582 VA	582 VA		2	20 A	--	16		
17	EXIST SCREEN	20 A	1	300 VA	1000...		1	20 A	DISPOSAL EXIST	18		
19	EXIST TICKET...	20 A	1	180 VA	180 VA		1	20 A	SECURITY	20		
21	EXIST GATE	20 A	1	300 VA	180 VA		1	20 A	SECURITY	22		
23	EXIST TICKET...	20 A	1	180 VA	360 VA		1	20 A	CHAR PAY	24		
25	RP MOTOR	20 A	1	240 VA	720 VA		1	20 A	Receptacle	26		
27	Receptacle	20 A	1	360 VA	180 VA		1	20 A	PROJECTION SCREEN	28		
29	--	--	--						--	30		
31	Receptacle South...	20 A	1	540 VA	0 VA		1	20 A	Spare	32		
33	Receptacle Children's...	20 A	1	180 VA	0 VA		1	20 A	Spare	34		
35	Receptacle Room 1023	20 A	1	540 VA	0 VA		1	20 A	Spare	36		
37	Receptacle	20 A	1	360 VA	0 VA		1	20 A	Spare	38		
39	Receptacle Children's...	20 A	1	180 VA	0 VA		1	20 A	Spare	40		
41	Spare	20 A	1	0 VA	0 VA		1	20 A	Spare	42		
<b>Total Load:</b>				6.04 kVA	3.75 kVA	5.36 kVA						
Load Classification												
Receptacle	Connected...	Demand Factor	Estimated...	Panel Totals								
Receptacle	4196 VA	107.49%	3960 VA	Total Conn. Load:	15153 VA							
Spare	2140 VA	100.00%	2140 VA	Total Est. Demand:	15444 VA							
Resistive Heat	5148 VA	100.00%	5148 VA	Total Conn.:	42 A							
				Total Est. Demand:	43 A							
Notes:												
TOTAL CONNECTED												
				15.15 kVA					ESTIMATED DEMAND			
				15.15 kVA					15.44 kVA (43 A)			

Panel: 2B1 EXISTING												
Location: Elec 2113			Mounting: Surface			A.I.C. Rating:			Mains Type: 200 A			
Supply From: MS1			Enclosure: Type 1			Mains Type: 200 A			Mains Rating: 200 A			
Voltage: 480/277 Wye-3PH-4W												
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT		
1	Lighting Room 1002B...	20 A	1	2681...	1106...		1	20 A	Life Skills 2011	2		
3	EXIST TY T1-2B1	120 A	3	3905 VA	107.49%	4196 VA	1	20 A	Lighting Adult. Fiction...	4		
5	--	--	--	1538...	175 VA		1	20 A	Lighting Room 2015A...	6		
7	--	--	--	1100...	1270...		1	20 A	Other	8		
9	Lighting Teens 2010	20 A	1	1200...	1200...		1	20 A	Lighting Teens 2010	10		
11	--	--	--	109 VA			1	20 A	Lighting Room 2132...	12		
13	Lighting South Carnegi...	20 A	1	540 VA			1	20 A	Other North Entry 1080	14		
15	Lighting South Carnegi...	20 A	1	150 VA	55 VA		1	20 A	Lighting Adult. Fiction...	16		
17	--	--	--						--	18		
19	EXIST 15 HP G-EX FAN	40 A	3	5000...			3	40 A	EXIST 15 HP G-EX FAN	20		
21	--	--	--	5000...					--	22		
23	--	--	--	5000...					--	24		
25	--	--	--						--	26		
27	--	--	--						--	28		
29	--	--	--						--	30		
31	--	--	--						--	32		
33	--	--	--						--	34		
35	--	--	--						--	36		
37	--	--	--						--	38		
39	--	--	--						--	40		
41	--	--	--						--	42		
<b>Total Load:</b>				21.58 kVA	23.37 kVA	20.61 kVA						
Load Classification												
Lighting	Connected...	Demand Factor	Estimated...	Panel Totals								
Lighting	15139 VA	100.00%	15139 VA	Total Conn. Load:	65565 VA							
Motor	6491 VA	104.49%	6782 VA	Total Est. Demand:	59416 VA							
Other	1569 VA	100.00%	1569 VA	Total Conn.:	79 A							
Receptacle	22880 VA	71.85%	16440 VA	Total Est. Demand:	71 A							
Spare	16500 VA	100.00%	16500 VA	Total Conn.:	79 A							
Resistive Heat	3000 VA	100.00%	3000 VA	Total Est. Demand:	71 A							
Notes:												
TOTAL CONNECTED												
				65.57 kVA					ESTIMATED DEMAND			
				65.57 kVA					59.42 kVA (71 A)			

Panel: KP EXISTING												
Location: Cafe B.O.H. 1003B			Mounting: FLUSH			A.I.C. Rating: 10,000			Mains Type: 100 A			
Supply From: 1AA1			Enclosure: Type 1			Mains Type: 100 A			Mains Rating: 100 A			
Voltage: 120/208 Wye-3PH-4W												
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT		
1	GFCI-REFRIG 2A	20 A	1	1000...	1000...		1	20 A	REFRIG 2B	2		
3	RECEPT B0H	20 A	1	360 VA	180 VA		1	20 A	SS-REF	4		
5	GFCI-ICE MACHINE 19	20 A	2	1664...	2250...		2	20 A	EXPRESSO	6		
7	--	--	--	1664...	2250...		2	20 A	--	8		
9	GFCI-UC REFRIG	20 A	1	1500...	2250...		1	20 A	--	10		
11	COFFEE GRINDER	20 A	1	180 VA	3450...		1	20 A	COFFEE MAKER	12		
13	GFCI-MICROWAVE	20 A	1	1600...	3450...		1	20 A	--	14		
15	COUNTER RECEPT	20 A	1	360 VA	180 VA		1	20 A	CASH REG	16		
17	GFCI-REFRIGERATOR	20 A	1	1000...	180 VA		1	20 A	Receptacle	18		
19	--	--	--	180 VA			1	20 A	--	20		
21	Receptacle	20 A	1	360 VA			1	20 A	Receptacle	22		
23	--	--	--						--	24		
25	--	--	--						--	26		
27	--	--	--						--	28		
29	--	--	--						--	30		
<b>Total Load:</b>				11.14 kVA	5.19 kVA	7.97 kVA						
Load Classification												
Receptacle	Connected...	Demand Factor	Estimated...	Panel Totals								
Receptacle	24308 VA	70.57%	17154 VA	Total Conn. Load:	24308 VA							
				Total Est. Demand:	17154 VA							
				Total Conn.:	67 A							
				Total Est. Demand:	48 A							
Notes:												
1) DISH WASHER SHALL BE WIRED THROUGH LOCAL WALL SWITCH.												
2) ALL RECEPTACLES CIRCUITS MARKED AS "GFCI" IN DESCRIPTION REQUIRE GFCI BREAKER												
TOTAL CONNECTED												
				16.96 kVA					ESTIMATED DEMAND			
				16.96 kVA					17.15 kVA (48 A)			

Panel: 1CA1 EXISTING											
Location: Elec 1043A			Mounting: Surface			A.I.C. Rating:			Mains Type: MCB		
Supply From: T-1C1			Enclosure: Type 1			Mains Type: MCB			Mains Rating: 200 A		
Voltage: 120/208 Wye-3PH-4W											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	Receptacle	20 A	1	540 VA	720 VA		1	20 A	Receptacle	2	
3	Receptacle	20 A	1	360 VA	180 VA		1	20 A	Receptacle	4	
5	Receptacle	20 A	1	720 VA	720 VA		1	20 A	Receptacle	6	
7	EXISTING ELEC ROOM	20 A	1	360 VA	180 VA		1	20 A	EXIST ELEV	8	
9	EXIST RECEPT	20 A	1	180 VA	720 VA		1	20 A	Receptacle	10	
11	Receptacle	20 A	1	360 VA	720 VA		1	20 A	Receptacle Open Offic...	12	
13	Receptacle	20 A	1	720 VA	180 VA		1	20 A	Receptacle	14	
15	Receptacle	20 A	1	720 VA	360 VA		1	20 A	Receptacle Children's...	16	
17	Receptacle	20 A	1	180 VA	540 VA		1	20 A	Receptacle	18	
19	FISH TANK	20 A	1	180 VA	720 VA		1	20 A	Receptacle	20	
21	Receptacle Room 1010	20 A	1	540 VA	720 VA						