

MFIA PANEL SCHEDULE													
panel BNK 1			mounting		location		connected load amps						
voltage 120/208V			phase 3		bus & main 400A MLO		calculated load amps						
service			va	a/p	no.	a b c	no.	a/p	va	service			
5	HOOD CONTROL POWER		500	20/1	1	*	2	20/1	360	RECEPT - KITCHEN			
5	HOOD CONTROL POWER		500	20/1	3	*	4	20/1	360	RECEPT - KITCHEN			
4	28 - WASTE COLLECTOR		1320	20/1	5	*	6	20/1	540	RECEPT - KITCHEN			
4	26 - DISHMACHINE		5052	50/3	7	*	8	20/1	360	RECEPT - KITCHEN			
4	*		5052	*	9	*	10	20/1	360	RECEPT - KITCHEN			
4	*		5052	*	11	*	12	20/1	540	RECEPT - KITCHEN			
4	15A - REACH IN FREEZER		1320	20/1(G)	13	*	14	20/1	360	RECEPT - KITCHEN			
4	15B - REACH IN FREEZER		1320	20/1(G)	15	*	16	20/1	360	RECEPT - KITCHEN			
4	87 - ICE TEA BREWER		1656	20/1	17	*	18	20/1	360	RECEPT - KITCHEN			
4	90 - HOT BEVERAGE DISPENSER		1800	20/1	19	*	20	20/1	360	RECEPT - DINING			
4	95 - COFFEE MAKER		2860	30/2	21	*	22	20/1	360	RECEPT - DINING			
4	*		2860	*	23	*	24	(G)20/1	540	RECEPT - COOKLINE			
4	40 - DELIVERY CART		1644	20/1(G)	25	*	26	15/1	864	EF-1			
4	41 - REACH IN REFRIGERATOR		576	20/1(G)	27	*	28	15/3	288	GEF-1			
1	42 - HOOD LIGHTS		120	20/1	29	*	30	*	288	*			
4	44A - CONVECTION OVEN		720	20/1	31	*	32	*	288	*			
4	44B - CONVECTION OVEN		720	20/1	33	*	34	15/3	375	GEF-2			
4	55 - 5 QUART MIXER		360	20/1	35	*	36	*	375	*			
4	5 - REACH IN FREEZER		1320	20/1(G)	37	*	38	*	375	*			
4	4A - REACH IN REFRIGERATOR		876	20/1(G)	39	*	40	20/1		SPARE			
4	4B - REACH IN REFRIGERATOR		876	20/1(G)	41	*	42	20/1		SPARE			
4	60 - REFRIG. PREP STATION		1440	20/1(G)	43	*	44			SPACE			
4	125 - ICE MAKER		2400	20/1	45	*	46			SPACE			
4	119 - SELF SERVE CASE		1680	20/1	47	*	48			SPACE			
4	117 - SNEEZE GUARD		360	20/1	49	*	50			SPACE			
4	115 - SNEEZE GUARD		360	20/1	51	*	52			SPACE			
4	114 - DROP IN CHILL PAN		840	20/1	53	*	54	20/1	500	GAS SOLENOID			
4	112 - SOUP WARMER		624	20/2	55	*	56	20/1	500	GAS SOLENOID			
4	*		624	*	57	*	58	(G)20/1	1440	84 - REACH IN			
4	107 - PLATE DISPENSER		1080	20/1(G)	59	*	60	(G)20/1	1608	82 - MICROWAVE			
4	108 - SNEEZE GUARD		360	20/1	61	*	62	(G)20/1	408	70 - RANGE			
4	106 - HOT FOOD TABLE		2080	20/2	63	*	64	20/1	360	85 - HOOD LIGHTS			
4	*		2080	*	65	*	66	(G)20/1	732	75 - FRYER			
5	102A - PEDESTAL OUTLET		1800	20/1(G)	67	*	68	30/3	2832	78 - STEAMER			
5	102B - PEDESTAL OUTLET		1800	20/1(G)	69	*	70	*	2832	*			
1	MENU BOARD		1000	20/1	71	*	72	*	2832	*			
Phase A			23647 VA		NOTES:					line-line voltage			
Phase B			25903 VA		(G): DENOTES GFCCI BREAKER					208			
Phase C			27239 VA							largest motor (va)			
Total Connected			76789 VA							0			
load code:			ph. A	ph. B	ph. C		total	factor	calculated load (va)				
1. LIGHTS=			0	0	1120 VA		1120	1.25	1400				
2. RECEPT.=			1440	1440	1980 VA		4860	1 + 0.5	4860				
3. HEATING=			0	0	0 VA		0	1.00	0				
4. KITCHEN=			17880	21500	22976 VA		62356	0.65	40531				
5. EQUIP.=			2800	2300	500 VA		5600	1.00	5600				
6. MOTORS=			1527	663	663 VA		2853	*	2853				
7. MISC=			0	0	0 VA		0	1.00	0				
(* 125% of the largest motor + 100% of the balance)								TOTAL =		55244			

REPLACE EXISTING 20A/1P
CIRCUIT BREAKERS WITH NEW
BREAKERS AS INDICATED

MFIA PANEL SCHEDULE													
panel BNL1A			mounting SURFACE			location ELEC. RM.			connected load amps 68				
voltage 120/208V			phase 3			bus & main 225A MLO			calculated load amps 71				
C	service		va	a/p	no.	a b c	no.	a/p	va	service		C	
7	EXISTING CIRCUIT		540	20/1	1	*	2	20/1	700	EXISTING CIRCUIT		7	
7	EXISTING CIRCUIT		540	20/1	3	*	4	20/1	1600	EXISTING CIRCUIT		7	
7	EXISTING CIRCUIT		540	20/1	5	*	6	20/1	700	EXISTING CIRCUIT		7	
7	EXISTING CIRCUIT		360	20/1	7	*	8	20/1	1500	EXISTING CIRCUIT		7	
7	EXISTING CIRCUIT		1100	20/1	9	*	10	20/1	1600	EXISTING CIRCUIT		7	
7	EXISTING CIRCUIT		200	20/1	11	*	12	20/1	600	EXISTING CIRCUIT		7	
7	EXISTING CIRCUIT		720	20/1	13	*	14	20/1	230	EXISTING CIRCUIT		7	
6	HP-1		1934	25/2	15	*	16	20/1	540	RECEPT - CONFERENCE ROOM		2	
6	*		1934	*	17	*	18	20/1	540	RECEPT - CONFERENCE ROOM		2	
6	IAC-1A		60	15/2	19	*	20	20/1	540	RECEPT - CONFERENCE ROOM		2	
6	*		60	*	21	*	22	20/1	160	RECEPT - MACHINE ROOM		2	
6	IAC-1B		32	15/2	23	*	24	20/1	800	ELEVATOR LIGHTS / CONTROL		1	
6	*		32	*	25	*	26	20/1	360	RECEPT - ELEVATOR PIT		2	
6	IAC-1C		52	15/2	27	*	28	20/1	1196	LIGHTS - KITCHEN / DINING		1	
6	*		52	*	29	*	30	20/1	1808	LIGHTS - CONFERENCE / LOBBY		1	
6	IAC-1D		60	15/2	31	*	32	20/1	500	WATER LEVEL ALARM PANEL		5	
	SPARE			20/1	33	*	34	20/1		SPARE			
	SPARE			20/1	35	*	36	20/1		SPARE			
	SPARE			20/1	37	*	38	50/3	1200	EXISTING CIRCUIT		7	
	SPARE			20/1	39	*	40	*	1200	*		7	
	SPARE			20/1	41	*	42	*	1200	*		7	
Phase A			6742 VA				NOTES:				line-line voltage		
Phase B			9982 VA				ALL CIRCUIT BREAKERS ARE				208		
Phase C			7886 VA				EXISTING UNLESS NOTED				largest motor (va)		
Total Connected			24610 VA				OTHERWISE.				0		
load code:			ph. A	ph. B	ph. C	total	factor	calculated load (va)					
1. LIGHTS=			0	1196	2108 VA	3304	1.25	4130					
2. RECEPT =			900	720	540 VA	2160	1 + 0.5	2160					
3. HEATING=			0	0	0 VA	0	1.00	0					
4. KITCHEN=			0	0	0 VA	0	1.00	0					
5. EQUIP.=			500	0	0 VA	500	1.00	500					
6. MOTORS=			92	2026	1998 VA	4116	*	4116					
7. MISC=			5250	6040	3240 VA	14530	1.00	14530					
(* 125% of the largest motor + 100% of the balance)								TOTAL =					25436