

CKT. #	DESCRIPTION	NOTE	BREAKER POLE	AMP.	LOAD (KVA)	A	B	C	LOAD (KVA)	BREAKER AMP.	POLE	NOTE	DESCRIPTION	CKT. #	
1	BEVERAGE DISP D/T (S-285)		1	1	20	1.30	1.7		0.36	20	1	3	OFFICE DEDICATED QUAD	2	
3	BEVERAGE DISP S/S (S-284)		1	1	20	1.12		2.3	1.20	20	1	1,3	POS(U-100)/PRIN(U-070)/KIOSK	4	
5	FREEZER (R-009)		1	1	20	0.69			1.1	0.36	20	1	1,3	SAFE (F-174)	6
7	OFFICE DEDICATED QUAD		3	1	20	0.36	1.2		0.86	20	1	1	CARBONATOR (S-570)	8	
9	HOT WATER DISP (P-452)		4	2	30	2.04		3.2	1.20	20	1	3	PRINTER(U-070), C.C. READER(U-061)	10	
11	2#10, #10 G. in (1) 3/4" C. EA				2.04				3.2	1.20	1	1,3	KITCHEN MONITOR (U-238)	12	
13	WATER FILTER SYSTEM (S-286)		1	1	20	0.24	0.8		0.60	20	1	3	CCTV DVR/MONITOR (U-035)	14	
15	OFFICE COMPUTER (F-060)		3	1	20	0.30		1.0	0.72	20	1	1,3	POS (U-100)/UPS (F-090)	16	
17	SECURITY SYSTEM (U-063)		2	1	20	0.30			1.2	0.86	20	1	1	CARBONATOR (S-570)	18
19	RECEPTACLES OFFICE		3	1	20	0.18	1.6		1.43	20	1	1	BUNN POD BREWER (S-547)	20	
21	OFFICE IG RECEPTACLE		3	1	20	0.18		0.4	0.24	20	1	7	RE THERMALIZER (C-107)	22	
23	OFFICE DEDICATED QUAD		3	1	20	0.36			0.4			1	SHUNT TRIP SPACE	24	
25	CO2 MONITOR (B-381)		1	1	20	0.04	2.0		1.92	20	1	1	HEATED CABINET (S-027)	26	
27	D/T TIMING SYSTEM (S-204)		1,3	1	20	0.86		1.2	0.36	20	1	1,3	DIGITAL MENU BOARD	28	
29	HEATED CABINET (S-026)		1	1	20	1.92			3.4	1.50	20	1	4	HAND DRYER (B-292)	30
31	B-CHANNEL TIMER (C-400)(P-417)		7	1	20	0.61	2.1		1.50	20	1	4	HAND DRYER (B-292)	32	
33	SHUNT TRIP SPACE							1.0	0.96	20	1		OFFICE RECY (F-080)	34	
35	HOT WATER DISP (P-452)		4	2	30	2.04			2.6	0.54	20	1	1	PEPSI BOOSTER (S-540)	36
37	2#10, #10 G. in (1) 3/4" C. EA				2.04		3.8		1.78	20	1	1	ICE TEA BREWER (S-546)	38	
39	D/T COMM SYS BASE (U-011)		1,3	1	20	0.24		1.2	0.98	20	1	7	DUAL VAT FRYER (C-026)	40	
41	WATER HEATER IGNITION (B-215)		1	1	20	0.75			0.8			1	SHUNT TRIP SPACE	42	
MODEL SQ D NQ						13.2	10.4	12.6	TOTAL KVA PER PHASE						
LOCATION SEE PLAN						37	29	35	AMPS PER PHASE						
VOLTAGE 208Y/120V															
PHASE 3															
WIRE 4															
MAINS MLO															
RATING 225 (AMPS)															
WITH I.G. BAR YES															
PANEL "A"						ITEMS	CON.	%	DEM.						
						RECEPTACLES	0.2	code	0.2						
						KITCHEN	14.1	65%	9.2						
						HVAC	0.0	100%	0.0						
						LIGHTS (INT.)	0.0	125%	0.0						
						LIGHTS (EXT.)	0.0	125%	0.0						
						MISC.	21.9	100%	21.9						
						TOTAL KVA	36.2		31.2						
						TOTAL AMPS	100		87						
						NOTES:									
1) PROVIDE GFCI BREAKER															
2) PROVIDE LOCK-ON BREAKER															
3) PROVIDE IG CIRCUIT															
4) PROVIDE LOCKABLE BREAKER PER NEC 422.31.															
5) PROVIDE LOCKABLE BREAKER PER NEC 600.6															
6) (2) #10,#10 G. IN (1) 3/4"C. EACH															
7) WIRING VIA GFCI DEAD FRONT FOR GFCI PROTECTION.															

CKT. #	DESCRIPTION	NOTE	BREAKER POLE	AMP.	LOAD (KVA)	A	B	C	LOAD (KVA)	BREAKER AMP.	POLE	NOTE	DESCRIPTION	CKT. #
1	PANEL "A"		3	200	13.22	35.5			22.29	400	3		PANEL "D"	2
3	4#3/0, #6 G. in (1) 2-1/2" C. EA				10.40		32.3		21.86				4#3/0, #3 G. in (2) 2-1/2" C. EA	4
5	#6 ISO. G.				12.56			31.4	18.86					6
7	PANEL "B"		3	200	5.51	5.5						3	SPACE	8
9	4#3/0, #6 G. in (1) 2-1/2" C. EA				7.10		7.1							10
11					5.37			5.4						12
13	PANEL "E"		3	200	17.42	17.4						3	SPACE	14
15	4#3/0, #6 G. in (1) 2-1/2" C. EA				16.90		16.9							16
17	EVO DUAL LINE PANEL (#6 ISO. G.)				17.17			17.2						18
MODEL SQ D 1 LINE						58.4	56.3	54.0	TOTAL KVA PER PHASE					
LOCATION SEE PLAN						162	156	150	AMPS PER PHASE					
VOLTAGE 208Y/120V														
PHASE 3														
WIRE 4														
MAINS 600A MCB														
RATING 600 (AMPS)														
WITH I.G. BAR NO														
PANEL "MSB"						ITEMS	CON.	%	DEM.					
						RECEPTACLES	2.9	code	2.9					
						KITCHEN	86.8	65%	56.4					
						HVAC	36.5	100%	36.5					
						LIGHTS (INT.)	2.6	125%	3.3					
						LIGHTS (EXT.)	5.7	125%	7.1					
						MISC.	34.2	100%	34.2					
						TOTAL KVA	168.7		140.4					
						TOTAL AMPS	468		390					
NOTES:														
1) _____														
2) _____														
3) _____														

#	DESCRIPTION	NOTE	BREAKER POLE	AMP.	LOAD (KVA)	A	B	C	LOAD (KVA)	BREAKER AMP.	POLE	NOTE	DESCRIPTION	CKT. #	
1	KITCHEN LIGHTING	1	1	20	0.60	1.4			0.78	20	1	1	DINING AND SERVICE COUNTER LTG	2	
3	REST RMS. LIGHTING	1	1	20	0.06		1.3		1.20	20	1		REMOTE ALARM LT	4	
5	COOLER/FREEZER LIGHTS	1	1	20	0.06			1.1	1.00	20	1	1,4,7	PARKING LOT LIGHTS	6	
7	EXTERIOR LIGHTS	1	1	20	0.11	1.1			1.00	20	1	1,4,7	PARKING LOT LIGHTS	8	
9	EXTERIOR LIGHTS	1	1	20	0.06		1.1		1.00	20	1	1,4,7	PARKING LOT LIGHTS	10	
11	HOT BOX HEAT TAPE	5,8	1	20	0.50			1.0	0.50	20	1		LIGHTING CONTROLS	12	
13	SPARE		1	20		0.5			0.50	20	1		HOOD CONTROL BOX	14	
15	(2)ORDER CANOPY LIGHTING	1,6	1	20	1.00		1.1		0.10	20	1	5	RECIRCULATION PUMP	16	
17	SPARE		1	20				0.6	0.60	20	1		DINING TV	18	
19	WINDOW RECEPT		1	20	0.36	0.4				20	1		SPARE	20	
21	SPACE		1				0.2		0.18	20	1	1,2	BUILDING SIGN	22	
23	WINDOW RECEPT		1	20	0.18			0.2		20	1		SPARE	24	
25	WINDOW RECEPT		1	20	0.36	1.3			0.90	20	1	5	BACK DOOR AIR CURTAIN (F-xx1)	26	
27	BUILDING SIGN		1,2	1	20	1.20		2.3	1.10	20	1	5,6	DT MENU BOARD	28	
29	PLYON SIGN		1,2,6	1	20	1.20			1.3	0.13	20	1	5,6	ORDER CONF. BRD/SPKR	30
31	SPARE		1	20			0.9		0.90	20	1	5	DRIVE THRU AIR CURTAIN (F-xx2)	32	
33	BUILDING SIGN		1,2	1	20	1.20		1.2			1		SPACE	34	
35	SPARE		1	20				0.0			1		SPACE	36	
37	SPARE-FUTURE DIRECTIONAL SIGN		1	20		0.0					1		SPACE	38	
39	SPARE FOR FUTURE PREVIEW BOARD		1	20			0.0				1		SPACE	40	
41	BUILDING SIGN		1,2	1	20	1.20		1.2			1		SPACE	42	

VOLTAGE 208Y/120V  
PHASE 3  
WIRE 4  
MAINS MLO  
RATING 225 (AMPS)  
WITH I.G. BAR NO

LOCATION SEE PLAN  
MOUNTING FLUSH  
FEEDER SEE RISER  
MIN AIC SEE FC CALC

MODEL SQ D NQ

5.5 7.1 5.4 TOTAL KVA PER PHASE  
15 20 15 AMPS PER PHASE

NOTES:  
1) CONNECT THRU LIGHTING CONTACTOR- SEE SHEET E6.0  
2) PROVIDE LOCKABLE BREAKER PER NEC 600.6  
3) PROVIDE GFCT BREAKER  
4) PROVIDE TYPE C BREAKER.  
5) PROVIDE LOCKABLE BREAKER PER NEC 422.31.  
6) (2)#10, #10 G. IN (1) 3/4"C. EACH  
7) (2)#8, #8G. IN (1) 3/4"C. EACH  
8) PROVIDE GFEP BREAKER

CKT. #	DESCRIPTION	NOTE	BREAKER POLE	AMP.	LOAD (KVA)	A	B	C	LOAD (KVA)	BREAKER AMP.	POLE	NOTE	DESCRIPTION	CKT. #
1	WALK IN COOLER (W-058)	2	3	20	1.71	1.9			0.18	20	1		TELEPHONE TERMINAL BOARD	2
3	#12, #12 G. in (1) 3/4" C. EA				1.71		2.6		0.90	20	1		KITCHEN HOOD LIGHTS	4
5					1.71			1.7		20	1		SHUNT TRIP SPACE	6
7	WALK IN FREEZER (W-058)	2	3	20	1.39	3.9			2.49	30	2	1,2	FROZ BEV DISPENSER (S-737)	8
9	#12, #12 G. in (1) 3/4" C. EA				1.39		3.9		2.49				#210, #10 G. in (1) 3/4" C. EA	10
11					1.39			2.4	1.00	20	2	2	ICE MAKER CONDENSER (S-513)	12
13	RTU-1	2	3	50	4.46	5.5			1.00				#212, #12 G. in (1) 3/4" C. EA	14
15	FLA: 37.2 MCA: 42				4.46		5.6		1.18	20	2	2	EF-1 (HOOD)	16
17	#36, #10 G. in (1) 1" C. EA				4.46			5.5	1.00	20	2	2	ICE MAKER CONDENSER (S-513)	18
19	SPARE		1	20		1.0			1.00				#212, #12 G. in (1) 3/4" C. EA	20
21	SPARE		1	20			0.0			20	1		SPARE	22
23	HOOD ANSUL SYSTEM (E-107)	3	1	20	1.20			1.2		20	1		SPARE	24
25	IRRIGATION TIMER	1	1	20	0.36	1.5			1.19	20	2	1	POWER SOAK (N-043)	26
27	RECEPTACLES - ROOF		1	20	0.54		1.7		1.19				#212, #12 G. in (1) 3/4" C. EA	28
29	RTU-2	2	3	80	7.30			7.5	0.18	20	1		FUTURE SAFE	30
31	FLA: 60.8 MCA: 67				7.30	7.8			0.54	20	1		UTILITY REC.	32
33	#33, #8 G. in (1) 1-1/4" C. EA				7.30		7.3			20	1		SPARE	34
35	SPARE		1	15				0.4	0.36	20	1		HUB TABLE RECEPTACLE	36
37	OFFICE RECEPTACLE		1	20	0.18	0.7			0.50	20	1		HUB TABLE KIOSK	38
39	REST ROOM EXHAUST FAN(EF-2)	2	1	20	0.44				0.26	20	1	1,2	ICE MAKER S/S (S-513)	40
41	SPARE		1	20				0.3	0.26	20	1	1,2	ICE MAKER D/T (S-513)	42

VOLTAGE 208Y/120V  
PHASE 3  
WIRE 4  
MAINS MLO  
RATING 400 (AMPS)  
WITH I.G. BAR NO

LOCATION SEE PLAN  
MOUNTING FLUSH  
FEEDER SEE RISER  
MIN AIC SEE FC CALC

MODEL SQ D NQ

22.3 21.9 18.9 TOTAL KVA PER PHASE  
62 61 52 AMPS PER PHASE

NOTES:  
1) PROVIDE GFCT BREAKER  
2) PROVIDE HACR BREAKER  
3) PROVIDE LOCKABLE BREAKER PER NEC 422.31.

ITEMS	CON.	%	DEM.
RECEPTACLES	1.6	code	1.6
KITCHEN	21.2	65%	13.8
HVAC	36.5	100%	36.5
LIGHTS (INT.	0.0	125%	0.0
LIGHTS (EXT.	0.0	125%	0.0
MISC.	3.8	100%	3.8
TOTAL KVA	63.0		55.6
TOTAL AMPS	175		154

PANEL "D"