

PANEL "A"																
MAINS: 200 AMPS																
MLO/MCB: MLO																
VOLTAGE: 208Y/120 VAC																
PHASE: 3																
WIRE: 4																
MOUNTING: SURFACE																
AIC: 10,000																
BRKR	TRIP POLES	DESCRIPTION	LOAD (VA)				LOAD (VA)				TRIP POLES	BRKR				
LIGHTS	RECEPT	HVAC	KITCHEN	PHASE	LIGHTS	RECEPT	HVAC	KITCHEN	PHASE	LIGHTS	RECEPT	HVAC	KITCHEN	DESCRIPTION	TRIP POLES	BRKR
1	20/2	AREA LIGHTS	1,080						A	106				DINING ROOM LIGHTS	20/1	2
3			1,080						B	313				DINING ROOM LIGHTS	20/1	4
5			1,080						A	850				KITCHEN AREA LIGHTS	20/1	6
7	20/2	AREA LIGHTS	1,080						A		720			CULCREDIT CARD SW/IFE	20/1	8
9	20/1	PYLON SIGNS	1,200						B		1,200			DIGITAL MENU BOARD	20/1	10
11	20/1	SECONDARY PYLON SIGN	1,200						C	60		360		RESTROOM LIGHTS / EF-3	20/1	12
13	20/1	DRIVE-THRU MENU SIGN	720						A	720				DIRECTIONAL SIGNS	20/1	14
15	20/1	CHANNEL LETTERS / LOGO	1,200						B	200				KITCHEN/SERVICE/OFFICE LTS	20/1	16
17	20/1	CHANNEL LETTERS / LOGO	1,200						C					SMOKE DETECTOR ALARM PNL	20/1	18
19	20/1	LED LGT BAND	752						A	228				SAFE	20/1	20
21	20/1	OFFICE RECEPTACLE		180					B		720			HVAC PANEL	20/1	22
23	20/1	HAND DRYER-WOMENS		1,000					C	230				EXT. LIGHTS - WALL PACKS	20/1	24
25	20/1	HAND DRYER-WOMENS		1,000					A		1,260			TELEPHONE REC	20/1	26
27	20/1	EXTERIOR BUILDING LIGHTS							B		200			GAS WATER HEATER	20/1	28
29	20/1	COOL/FREEZ LST/DOOR HTR/HE	440				400		C		540			KITCHEN RECEPTACLES	20/1	30
31	20/1	ROOF T EXTERIOR RECEPT		900					A	1,060				AREA LIGHTS	20/2	34
33	20/1	SERVICE COUNTER / CORR		500					B	1,060				OFFICE RECEPTACLES	20/1	36
35	20/1	D/T SPDRV #90C CAMERA		540					C		1,260			OFFICE RECEPTACLES	20/1	38
37	20/1	ROOF CAMERA		180					A		720			REC - DINING/TV	20/1	40
39	20/1	CREW/STORAGE RECEPT		720					B		540			AIR CURTAIN	20/1	42
41	20/1	REC - DINING		900					C		612					42
CONNECTED KVA			A	B	C	TOTAL KVA			DEMAND FACTOR			ESTIMATED DEMAND				
LIGHTING			5.54	5.51	4.62	15.67			1.00			15.67				
RECEPTACLES			5.01	4.10	5.21	14.32			x1st 10k+0.5x>10k (Per NEC220.44)			14.32				
EQUIP (HVAC/COOLER)			0.00	0.00	0.36	0.36			1.00			0.36				
KITCHEN			0.00	0.00	0.40	0.40			0.65 (Per NEC220.56)			0.28				
TOTALS			10.55	9.61	10.59	30.75			LIGHTING X 25%			30.61 KVA / 85.03 AMPS				
									LG. MOTOR X 25%			3.9175				
									MINIMUM FEEDER			34.53 KVA / 95.91 AMPS				

PANEL "B"																
MAINS: 200 AMPS																
MLO/MCB: MLO																
VOLTAGE: 208Y/120 VAC																
PHASE: 3																
WIRE: 4																
MOUNTING: SURFACE																
AIC: 10,000																
BRKR	TRIP POLES	DESCRIPTION	LOAD (VA)				LOAD (VA)				TRIP POLES	BRKR				
LIGHTS	RECEPT	HVAC	KITCHEN	PHASE	LIGHTS	RECEPT	HVAC	KITCHEN	PHASE	LIGHTS	RECEPT	HVAC	KITCHEN	DESCRIPTION	TRIP POLES	BRKR
1	20/1	10 & 12 V SODA W/ RZE (10.026/09)							A	1,044				CUBER (600LB)	20/1	2
3	20/1	CUBER (600LB)							B		540			DRIVE THRU WORK STATION	20/1	4
5	20/1	P.O.S. RECEIPTS GFCI		1,200					C		600			P.O.S. RECEIPTS GFCI	20/1	6
7	20/1	P.O.S. RECEIPTS GFCI		1,500					A			264		UC REFRIGERATOR (53.13)	20/1	8
9	20/1	REAR DOOR BUZZER		720					B		1,000			FRY HOOD CTL/ANSUL (33.16)	20/1	10
11	20/1	DOOR ALARM		720					C			1,320		FRYER & FRY FREEZER (32.05)	20/1	12
13	20/1	SMOOTHE BLEND (59C.02)					1,032		A		1,920			COMBI - OVEN	20/1	14
15	20/1	SERVICE CTR/D.T. RECEPT.		720					B		1,920			STEAMER	20/3	16
17	20/1	REFRIG (26.25)					528		C		1,920				18	
19	20/1	CARBONATOR (2)					1,728		A		1,080			CUBER (350LB)	20/1	20
21	20/1	CARBONATOR (1)					864		B		240			GAS BROILER (24.02)	20/1	22
23	20/2	TEA BREWER-DT (17.00)					1,352		C		5,760			ELECTRIC FRYER	60/3	26
25	20/2	STATION - (30.16)					1,040		A		5,760			PHU-2 x4	20/2	30
27	20/2	STATION - (30.16)					1,040		B		5,760			44" MEAT FREEZER (26.09)	20/1	34
31	60/3	ELECTRIC FRYER (31.35)					5,760		C		5,760			SPARE	50/3	38
33	60/3	ELECTRIC FRYER (31.35)					5,760		A		5,760				40	
35	60/3	ELECTRIC FRYER (31.35)					5,760		B		5,760				42	
37	60/3	ELECTRIC FRYER (31.35)					5,760		C		5,760					
39	60/3	ELECTRIC FRYER (31.35)					5,760		A		5,760					
41	60/3	ELECTRIC FRYER (31.35)					5,760		B		5,760					
CONNECTED KVA			A	B	C	TOTAL KVA			DEMAND FACTOR			ESTIMATED DEMAND				
LIGHTING			0.00	0.00	0.00	0.00			1.00			0.00				
RECEPTACLES			1.50	2.98	3.52	8.00			x1st 10k+0.5x>10k (Per NEC220.44)			8.00				
EQUIP (HVAC/COOLER)			0.00	0.00	0.00	0.00			1.00			0.00				
KITCHEN			28.23	23.50	24.52	76.25			0.65 (Per NEC220.56)			49.56				
TOTALS			28.73	26.48	28.04	84.25			LIGHTING X 25%			57.56 KVA / 159.90 AMPS				
									LG. MOTOR X 25%			0				
									MINIMUM FEEDER			57.56 KVA / 159.90 AMPS				

PANEL "D" (FURNISHED w/ PREP TABLE 21.95)																
MAINS: 125 AMPS																
MLO/MCB: MLO																
VOLTAGE: 208Y/120 VAC																
PHASE: 3																
WIRE: 4																
MOUNTING: w/ EQUIP.																
AIC: 10,000																
BRKR	TRIP POLES	DESCRIPTION	LOAD (VA)				LOAD (VA)				TRIP POLES	BRKR				
LIGHTS	RECEPT	HVAC	KITCHEN	PHASE	LIGHTS	RECEPT	HVAC	KITCHEN	PHASE	LIGHTS	RECEPT	HVAC	KITCHEN	DESCRIPTION	TRIP POLES	BRKR
1	20/2	MICROWAVE - "A" (50.00)							A	1,591				MICROWAVE - "B" (50.00)	20/2	2
3									B	1,591				SPARE	20/1	4
5	20/2	PHU - 3X4 "A" (51.07)							C	1,622				PHU - 3X4 "B" (51.07)	20/2	6
7									A	1,622				VERT TOASTER "B" (55.03)	20/2	8
9	20/2	VERT TOASTER "A" (55.03)							B	1,040				SPARE	20/1	10
11	20/1	BEVERAGE REF. (21C.36)							C	240				SPACE	1/1P	14
13	20/1	BK EXPEDITER (21C.35)							A	720				SPACE	1/1P	16
15	1/1P	SPACE							B					SPACE	1/1P	18
17	1/1P	SPACE							C					SPACE	1/1P	20
19	1/1P	SPACE							A					SPACE	1/1P	22
21	20/1	GEN RECEPTACLE		1,000					B		1,000			SPACE	1/1P	24
23	20/1	GEN RECEPTACLE		1,000					C		1,000					
CONNECTED KVA			A	B	C	TOTAL KVA			DEMAND FACTOR			ESTIMATED DEMAND				
LIGHTING			0.00	0.00	0.00	0.00			1.00			0.00				
RECEPTACLES			0.00	1.00	1.00	2.00			x1st 10k+0.5x>10k (Per NEC220.44)			2.00				
EQUIP (HVAC/COOLER)			0.00	0.00	0.00	0.00			1.00			0.00				
KITCHEN			8.51	5.98	5.98	20.47			0.65 (Per NEC220.56)			11.68				
TOTALS			8.51	6.98	6.98	20.47			LIGHTING X 25%			13.66 KVA / 36.01 AMPS				
									LG. MOTOR X 25%			0				
									MINIMUM FEEDER			13.66 KVA / 36.01 AMPS				

PANEL "M"																
MAINS: 600 AMP MCB ##																
MLO/MCB: 600 AMP MCB ##																
VOLTAGE: 208Y/120 VAC																
PHASE: 3																
WIRE: 4																
MOUNTING: SURFACE																
AIC: 42,000																
BRKR	TRIP POLES	DESCRIPTION	LOAD (VA)				LOAD (VA)				TRIP POLES	BRKR				
LIGHTS	RECEPT	HVAC	KITCHEN	PHASE	LIGHTS	RECEPT	HVAC	KITCHEN	PHASE	LIGHTS	RECEPT	HVAC	KITCHEN	DESCRIPTION	TRIP POLES	BRKR
1			5,537	5,008	0	0	0	0	A	0	1,500	0	28,228	PANEL "B"	200/3	2
3	200/3	PANEL "A"	5,513	4,100	0	0	0	0	B	0	2,980	0	23,504		4	
5			4,620	5,212	360	400	0	0	C	0	3,520	0	24,522	PANEL "D" in PREP TABLE	(21.95)	12/3
7					3,725				A	0	0	0	6,867		8	
9	50/3	RTU - 1			3,725				B	0	1,000	0	5,982		10	
11					3,725				C	0	1,000	0	5,325		12	
13					2,544				A				2,544		14	
15	40/3	RTU - 3			2,544				B				2,544		16	
17					3,725				C				3,725		18	
19					3,725				A			1,800		SHAKE & SOFT SERVE M/C	20/3	22
21	50/3	RTU - 4			3,725				B			1,800		SHAKE & SOFT SERVE M/C	(15.10)	20/3
23					3,725				C			1,800				