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PANELBOARD: MDP

EQUIPMENT GROUND BUS

BUS AMPS: 800A | A/C RATING: N/A
MAIN SIZE/TYPE: 800A MCB | SERVES: DISTRIBUTION
VOLTS/PHASE: 208Y/120V, 3PH, 4W | MOUNTING: SURFACE
SECTION: 1 | LOCATION: ELECTRICAL ROOM

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1		27,200									6,965				2
3	PANEL RPA		25,560			225	3	3	225			6,502		PANEL LPA	4
5				26,700									7,650		6
7		11,158									4,800				8
9	PANEL RPB		14,632			225	3	3	100			4,500		PANEL RPG	10
11				14,355									4,800		12
13		14,147									4,803				14
15	PANEL RPC		14,571			225	3	3	50			4,803		RTU-1	16
17				12,452									4,803		18
19		5,884									3,722				20
21	RTU-2		5,884			60	3	3	45			3,722		RTU-3	22
23				5,884									3,722		24
25											11,812				26
27	SPACE						3	3	110			11,612		REMOTE REFRIG UNIT	28
29													11,612		30
31	SPACE						2								32
33								3						SPACE	34
35	PANEL RPD			7,590		200	2								36
37		5,100									9,200				38
39	SPACE						2	3	125			10,000		PANEL RPH	40
41													6,900		42
	SUBTOTAL	64,489	61,647	56,551							44,122	41,439	41,097	SUBTOTAL	

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
TOTAL PHASE A - VA	108,621	COOLING	78,063	1.00	REFRIGERATION	19,011	1.00
AMPS	905	HEATING		0	SIGN/DISPLAY		1.25
TOTAL PHASE B - VA	103,086	LIGHTING	25,983	1.25	KITCHEN	116,708	0.65
AMPS	859	RECEPTACLES	16,804	1.0/.5	EXISTING	5,800	1.00
TOTAL PHASE C - VA	107,778	MOTORS	17,900	1.00	LARGE MOTOR		1.25
AMPS	898	SUPP HEAT	925	1.00	SHOW WINDOW		1.25
TOTAL PNLBD - VA	319,485	MISC EQUIP	38,491	1.00	LTG TRACK		1.00
AMPS	887						

TOTAL DEMAND: 261,731 VA; 752 A

PANELBOARD NOTES

LTG TRACK - TRACK LENGTH
SIGN/DISPLAY - SIGNAGE & DISPLAY CASE

PANELBOARD: RPC

EQUIPMENT GROUND BUS

BUS AMPS: 225A | A/C RATING: 22000 FULLY RATED
MAIN SIZE/TYPE: MLO | SERVES: GENERAL POWER
VOLTS/PHASE: 208Y/120V, 3PH, 4W | MOUNTING: SURFACE
SECTION: 1 | LOCATION: ELECTRICAL ROOM

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1	GENERAL PURP RECEPT	1,080			10	20	1	1	20	10	1,400			CANDY LGT,GNRL PRP RCPT,E-SAFE	2
3	GNRL PURP RECPT,IRRIG SYST.		1,500		12	20	1	1	20	12		600		GENERAL PURP RECPTS	4
5	ROOF RECPTS			940	10	20	1	1	20	12			1,500	POWER FOR. EFF-1	6
7	FLUSH VALV XFMRS & IRRIG	900			12	20	1	1	20					SPARE	8
9			1,270					1	20	12		540		GNRL PURP RCPT, BUG LIGHT	10
11	D5 TRASH CMPCTR & DISC. SW.			1,270	10	20	3	1	20	12			250	C11 ATM #1 MAIN POWER	12
13		1,270						1	20	12	250			C11 ATM #2 MAIN POWER	14
15	ICE CHEST, SIMPLEX RECPTS		1,500		8	20	1	1	20	12		200		C11 ATM GENERAL POWER	16
17	COKE FS BOOST PUMP			800	12	20	1	1	20	12			500	PRICE CHANGE SIGN	18
19	D5 SONOZAIRE	125			12	20	1	1	20	12	100			FACP J.B.	20
21	D8 POWER WASHER		1,230		12	20	2					100			22
23				1,230				3	15	12			100	BAS(CC-3) PANEL J.B.	24
25	EXHAUST FANS #1#2	740			12	20	1				100				26
27	WHR 1 & GHW-1		900		12	20	1	1	20	12		500		E7 COMP CARROL & PRINTER	28
29	HAND DRYER WOMENS J.B.			1,456	12	20	2	1	20	12			590	TIMECLK,TELE,LCTY	30
31		1,456						1	20	12	500			RADIO CHRGR, BELL BUZZER	32
33	HAND DRYER MENS J.B.		1,456		12	20	2	1	20			695		BAS(CC-1&JACE)	34
35				1,456				1	20	8			1,000	SITE AIR PUMP #1	36
37	UPS INPUT PWR, SUB FEED	5,540			6	60	2	1	20	12	900			GNRL PURP RCPT OFFICE	38
39	TO PANEL RPU.		3,260					1	20	12		390		LED DIGITAL MONITOR	40
41	DGTL DSP MNT./MEDIA PWR			380	12	20	1	1	20	8			1,000	SITE AIR PUMP #2	42
	SUBTOTAL	10,817	11,116	7,512							3,330	3,455	4,940	SUBTOTAL	

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
TOTAL PHASE A - VA	14,147	COOLING		1.00	REFRIGERATION		1.00
AMPS	115	HEATING		0	SIGN/DISPLAY		1.25
TOTAL PHASE B - VA	14,571	LIGHTING		1.25	KITCHEN		1.00
AMPS	121	RECEPTACLES	15,804	1.0/.5	EXISTING		1.00
TOTAL PHASE C - VA	12,452	MOTORS	500	1.00	LARGE MOTOR		1.25
AMPS	104	SUPP HEAT		1.00	SHOW WINDOW		1.25
TOTAL PNLBD - VA	41,170	MISC EQUIP	24,866	1.00	LTG TRACK		1.00
AMPS	114						

TOTAL DEMAND: 38,265 VA; 106 A

PANELBOARD NOTES

LTG TRACK - TRACK LENGTH
SIGN/DISPLAY - SIGNAGE & DISPLAY CASE

PANELBOARD: RPU

EQUIPMENT GROUND BUS

BUS AMPS: 125A | A/C RATING: 10000 FULLY RATED
MAIN SIZE/TYPE: 60A MCB | SERVES: CRITICAL LOAD
VOLTS/PHASE: 240/120V, 1PH, 3W | MOUNTING: SURFACE
SECTION: 1 | LOCATION: ELECTRICAL ROOM

CKT NO.	DESCRIPTION	A	B	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	DESCRIPTION	CKT NO.
1	COMPUTER SERVER-QUAD, RECEPT	500		12	20	1	1	20	12	1,440		CUSTOMER ORDER TERM #1	2
3	COMPUTER SERVER-SIMPLEX, RECEPT		500	12	20	1	1	20	12		1,080	CUSTOMER ORDER TERM #2	4
5	CASH REGISTERS #1,#2	720		12	20	1	1	20	12	1,080		CUSTOMER ORDER TERM #3	6
7	CASH REGISTERS #3,#4		720	12	20	1	1	20	12		180	KVM EXTENDER / MONITOR (SECURITY)	8
9	KPS'S AND CAT LOCK RECEPT S	540		12	20	1	1	20	12	180		KVM EXTENDER / MONITOR (SECURITY)	10
11	OFFICE COMPUTER RECEPTACLE		380	12	20	1	1	20	12		400	SECURITY EQUIPMENT	12
13	SPARE				20	1	1	20	12	1,080		CUSTOMER ORDER TERM #4	14
15	SPARE				20	1	1	20				SPARE	16
17	SPARE				20	1	1	20				SPARE	18
	SUBTOTAL	1,760	1,600							3,780	1,660	SUBTOTAL	

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
TOTAL PHASE A - VA	5,540	COOLING		1.00	REFRIGERATION		1.00
AMPS	46	HEATING		0	DISPLAY CASE		1.25
TOTAL PHASE B - VA	3,260	LIGHTING		1.25	KITCHEN		1.00
AMPS	27	RECEPTACLES		1.0/.5	EXISTING		1.00
TOTAL PNLBD - VA	8,800	MOTORS		1.00	LARGE MOTOR		1.25
AMPS	37	SUPP HEAT		1.00	SHOW WINDOW		1.25
		MISC EQUIP	8,800	1.00	LTG TRACK		1.00

TOTAL DEMAND: 8,800 VA; 37 A

PANELBOARD NOTES

LTG TRACK - TRACK LENGTH
SIGN/DISPLAY - SIGNAGE & DISPLAY CASE

PANELBOARD: RPA

EQUIPMENT GROUND BUS

BUS AMPS: 225A | A/C RATING: 22000 FULLY RATED
MAIN SIZE/TYPE: MLO | SERVES: KITCHEN
VOLTS/PHASE: 208Y/120V, 3PH, 4W | MOUNTING: SURFACE
SECTION: 1 | LOCATION: ELECTRICAL ROOM

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1	TIMER IN FOOD SERVICE	300			12	20	1				2,500				2
3	UC AND DROP-IN FRIDG		800		12	20	1	3	30	10		2,500		B32 COMBI OVEN #2	4
5				2,000									2,500		6
7	B9 HOT FOOD TABLE	2,000			10	30	3	1	20	12	1,600			B49 HOT HOLDING UNIT	8
9			2,000					1	20	12		500		C8 WARMER #1	10
11	B28 COFFEE BREWER #1			2,000	8	40	2	1	20	12			500	C8 WARMER #2	12
13		2,000						1	20	12	500			C8 WARMER #3	14
15	B28 COFFEE BREWER #2		2,000		8	40	2	2	40	8		2,000		B20 COFFEE BREWER #3	16
17				2,000									2,000		18
19	B25 COFFEE BREWER #4	2,000			6	40	2	2	8	10	2,100			514 TOASTER OVEN #1	20
21			2,000									2,100			22
23				3,400				1	20	12			1,200	536 SMOOTHIE BLENDER #1	24
25	B54 OVEN	3,400			8	40	3	1	20	12	1,500			HOT HOLDING UNIT	26
27			3,400					1	20	12		1,300		56 HOT DOG DISPLAY	28
29	B14 TOASTER OVEN#3			2,100	10	8	2	1	20	12			500	AIR CURTAINS	30
31		2,100						1	20	12	1,200			B36 SMOOTHIE BLENDER #2	32
33	SPARE					20	1	2	30	10		2,000		B40 ESPRESSO MACHINE	34
35	B37 UNDERCOUNTER ICE MACH			500	12	20	1						2,000		36
37		3,000									2,600				38
39	B12 RETHERMALIZER		3,000		10	30	3	3	30	10		2,500		B32 CONVECTION OVEN #1	40
41				3,000									2,000		42
	SUBTOTAL	15,000	13,260	15,000							12,200	13,300	11,700	SUBTOTAL	

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
TOTAL PHASE A - VA	27,200	COOLING		1.00	REFRIGERATION		1.00
AMPS	227	HEATING		0	SIGN/DISPLAY		1.25
TOTAL PHASE B - VA	26,560	LIGHTING		1.25	KITCHEN	78,660	0.65
AMPS	221	RECEPTACLES		1.0/.5	EXISTING		1.00
TOTAL PHASE C - VA	26,700	MOTORS		1.00	LARGE MOTOR		1.25
AMPS	223	SUPP HEAT		1.00	SHOW WINDOW		1.25
TOTAL PNLBD - VA	80,460	MISC EQUIP	800	1.00	LTG TRACK		1.00
AMPS	223						

TOTAL DEMAND: [illegible]579 VA; 149 A

PANELBOARD NOTES

LTG TRACK - TRACK LENGTH
SIGN/DISPLAY - SIGNAGE & DISPLAY CASE

PANELBOARD: RPD

EQUIPMENT GROUND BUS

BUS AMPS: 225A | A/C RATING: 10000 FULLY RATED
MAIN SIZE/TYPE: MLO | SERVES: GENERAL POWER/FUEL DISPENSERS
VOLTS/PHASE: 240/120V, 1PH, 3W | MOUNTING: SURFACE
SECTION: 1 | LOCATION: ELECTRICAL ROOM

CKT NO.	DESCRIPTION	A	B	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	DESCRIPTION	CKT NO.
1	GAS SIMPLEX RECEPTACLE	1,500		8	20	1	1	20	10	200		OVERFILL ALARM	2
3	VEEDER ROOT SHUT OFF COIL		500	10	20	1	1	20				SPARE	4
5	F.E.PETRO DH RELAYS	500		10	20	1	1	20				SPARE	6
7	SPARE				20	1	1	20				SPARE	8
9	SPARE				20	1	1	20				SPARE	10
11	SPARE				20	1	1	20				SPARE	12
SECTION: 2													
13	FUEL DISPENSER #1,#2	700		8	[illegible]	2	2	[illegible]	[illegible]	[illegible]		FUEL DISPENSER #3,#4	14
15			700								700		16
17	FUEL DISPENSER #5,#6	700		8		2	2	20		[illegible]		FUEL DISPENSER #7,#8	18
19			[illegible]								700		20
21	FUEL DISPENSER #9,#10	700		8	[illegible]	2	2	20	8	[illegible]		FUEL DISPENSER #11,#12	22
23											700		24
25	FUEL DISPENSER #13,#14	700			20	2	2	20	8	700		FUEL DISPENSER #15,#16	26
27			700								700		28
29	SPACE						1	20	12	290		INTERCOMM & MUSIC	30
31	SPACE						1					SPACE	32
	SUBTOTAL	4,300	[illegible]							3,290	2,600	SUBTOTAL	

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
TOTAL PHASE A - VA	7,590	COOLING		1.00	REFRIGERATION		1.00
AMPS	63	HEATING		0	DISPLAY CASE		1.25
TOTAL PHASE B - VA	[illegible]	LIGHTING		1.25	KITCHEN		1.00
AMPS	[illegible]	RECEPTACLES	1,000	1.0/.5	EXISTING	5,600	1.00
TOTAL PNLBD - VA	[illegible]	MOTORS		1.00	LARGE MOTOR		1.25
AMPS	57	SUPP HEAT		1.00	SHOW WINDOW		1.25
		MISC EQUIP	7,090	1.00	LTG TRACK		1.00

TOTAL DEMAND: 13,650 VA; 57 A

PANELBOARD NOTES

FEED THRU CONNECTION: #4/0

LTG TRACK - TRACK LENGTH
SIGN/DISPLAY - SIGNAGE & DISPLAY CASE

PANELBOARD: LPA

EQUIPMENT GROUND BUS

BUS AMPS: 225A | A/C RATING: 22000 FULLY RATED
MAIN SIZE/TYPE: MLO | SERVES: LIGHTING
VOLTS/PHASE: 208Y/120V, 3PH, 4W | MOUNTING: SURFACE
SECTION: 1 | LOCATION: ELECTRICAL ROOM

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1	INTERIOR LIGHTING	1,036			10	20	1	1	20	12	375			EXTERIOR WALL PACKS	2
3	INTERIOR LIGHTING		1,349		10	20	1	1	20	12		300		EXTERIOR WALL PACKS	4
5	INTERIOR LIGHTING			1,216	10	20	1	1	20	12			300	EXTERIOR WALL PACKS	6
7	INTERIOR LIGHTING	830			12	20	1	1	20					FUTURE BUILDING SIGN	8
9	[illegible]B & A4 LIGHTING		553		12	20	1	1	20	12		1,200		FRONT BUILDING SIGN	10
11	DRINKS AREA DISPLAY LIGHTS			400		20	1	1	20	12			1,200	REAR BUILDING SIGN	12
13	EXIT CONT.PWR & EMRG BATT.PK	800			12	20	1	1	20	10	800			TRUSS LGT ROOF LGT.	14
15	SPARE					20	1	1	20					FUTURE BUILDING SIGN	16
17	SPARE					20	1	1	20					SPARE	18
19	SPARE					20	1	1	20					SPARE	20
21	SPARE					20	1	1	20					SPARE	22
23								1	20					SPARE	24
25	WELL PUMP (AS REQUIRED)						3	1						SPACE	26
27								1						SPACE	28
29	CANOPY LIGHTING #1			1,312	8	20	1	1	20	8			1,312	CANOPY LIGHTING #2	30
31	CANOPY LIGHTING #3	1,312			8	20	1	1	20	8	1,312			CANOPY LIGHTING #4	32
33	SPARE					20	1	1						SPACE	34
35	SPARE					20	1	1						SPACE	36
37	SITE POLE LIGHTING	1,200			8	20	1	1	20	8	1,920			SITE POLE LIGHTING	38
39	STREET SIGN LIGHTS		1,200		8	20	1	1	20	8		1,920		STREET SIGN LIGHTS	40
41	STREET SIGN RECEPTACLE					20	1	1	20	8			1,920	STREET SIGN RECEPTACLE	42
	SUBTOTAL	5,578	3,082	2,928							4,407	3,420	4,732	SUBTOTAL	

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
TOTAL PHASE A - VA	9,985	COOLING		1.00	REFRIGERATION		1.00
AMPS	83	HEATING		0	SIGN/DISPLAY		1.25
TOTAL PHASE B - VA	6,502	LIGHTING	22,572	1.25	KITCHEN		1.00
AMPS	54	RECEPTACLES		1.0/.5	EXISTING		1.00
TOTAL PHASE C - VA	7,650	MOTORS		1.00	LARGE MOTOR		1.25
AMPS	64	SUPP HEAT		1.00	SHOW WINDOW		1.25
TOTAL PNLBD - VA	24,147	MISC EQUIP	1,575	1.00	LTG TRACK		1.00
AMPS	67						

TOTAL DEMAND: 29,750 VA; 83 A

PANELBOARD NOTES

LTG TRACK - TRACK LENGTH
SIGN/DISPLAY - SIGNAGE & DISPLAY CASE

PANELBOARD: RPB

EQUIPMENT GROUND BUS

BUS AMPS: 225A | FAULT CURRENT: REFER TO ONE-LINE DIAGRAM
MAIN SIZE/TYPE: MLO | A/C RATING: 22000 FULLY RATED
VOLTS/PHASE: 208Y/120V, 3PH, 4W | SERVES: REFRIGERATION / GENERAL POWER
SECTION: 1 | MOUNTING: SURFACE
LOCATION: ELECTRICAL ROOM

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1	A1 FAN COILS UNITS	1,332			8	20	1	2	[illegible]	12	[illegible]			C18.1 REACH IN FRZR	2
3	A1 DOOR HEATER #1		750		12	20	1					1,400			4
5	A1 DOOR HEATER			664		20		1	20				925	C18.1 DOOR HEATER	6
7	A1 CONDESATE PUMP	200				20		1			795			C18.1 DOOR LIGHTS	8
9	A1,A2 DISPLAY DOOR LIGHTS				12	20	1	2	[illegible]	12		950		A4 FAN COIL UNIT	10
11	A3 FAN COIL UNITS				12		1						350		12
13	A3 DOOR HEATER				12		1	1			1,285			A4 FREEZER DOOR HTR	14
15	B30 UNDRCNTR REFR, RZ BLEND		1,270		12			1				760		B30 U.C. FROG & B24 WORKSTATION	16
17	B30 UNDERCOUNTER REFRI.			[illegible]	12	20			20	10			1,680	C17 DROP IN REFRIG #1	18
19	C3 EXPRESS CASE DANFOSS	600			12	20			20	12	380			C15 BAKERY CASE	20
21	C3 EXPRESS CASE FANS		[illegible]		12	20	1	1	15	12		460		C25 MILK SHAKE FREEZER	22
23	C3 EXPRESS CASE LIGHTS			1,500	10	20	1	1	20	12			720	LED DIGITAL MONITOR	24
25		1,600						1	20					SPARE	26
27	B50 SOFT SERV		1,500		10	30	3	2	30	10		2,000		C23 FCB/CEE	28
29				[illegible]									2,000		30
31	C26 ICE MACHINE INSIDE	700			12	20	1	1	20	12	720			C20 ICED COFFEE DISPNSR	32
33	B1 SANDWICH STATION #1		1,446		12	20	1	1	20	12		880		C22 CONE FREESTYLE	34
35	B1 SANDWICH STATION #2			1,446	12	20	1	1	20					SPARE	36
37	B1 SANDWICH STATION #3	1,446			12	20	1	1	20					SPARE	38
39	B30 UNDERCOUNTER REFR		400		12	20	1	1	15	12		1,600		C24 MILK SHAKE UNIT #1	40
41	SPARE					20	1	1	20	12			1,000	DRAWER WARMER	42
	SUBTOTAL	6,628	7,182	6,780							4,540	7,450	7,275	SUBTOTAL	

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
TOTAL PHASE A - VA	11,168	COOLING		1.00	REFRIGERATION	12,011	1.00
AMPS	93	HEATING		0	SIGN/DISPLAY		1.25
TOTAL PHASE B - VA	14,632	LIGHTING	3,411	1.25	KITCHEN	18,148	0.65
AMPS	122	RECEPTACLES		1.0/.5	EXISTING		1.00
TOTAL PHASE C - VA	14,055	MOTORS		1.00	LARGE MOTOR		1.25
AMPS	117	SUPP HEAT	925	1.00	SHOW WINDOW		1.25
TOTAL PNLBD - VA	38,855	MISC EQUIP	3,360	1.00	LTG TRACK		1.00
AMPS	111						

TOTAL DEMAND: 34,006 VA; 94 A

PANELBOARD NOTES

LTG TRACK - TRACK LENGTH
SIGN/DISPLAY - SIGNAGE & DISPLAY CASE

PANELBOARD: RPG

EQUIPMENT GROUND BUS

BUS AMPS: 100A | A/C RATING: 22000 FULLY RATED
MAIN SIZE/TYPE: MLO | SERVES: SUMERSIBLE PUMPS
VOLTS/PHASE: 208Y/120V, 3PH, 4W | MOUNTING: SURFACE
SECTION: 1 | LOCATION: ELECTRICAL ROOM

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1	SUBMERSIBLE PUMP(T1) VIA	960									960			SUBMERSIBLE PUMP(T4) VIA	2
3	F.E. PETRO VF CONTROLLER		960			20	3	3	20			960		F.E. PETRO VF CONTROLLER	4
5				960									960		6
7	SUBMERSIBLE PUMP(T2) VIA	960									960			SUBMERSIBLE PUMP(T5) VIA	8
9	F.E. PETRO VF CONTROLLER		960			20	3	3	20			960		F.E. PETRO VF CONTROLLER	10
11				960									960		12
13	SUBMERSIBLE PUMP(T3) VIA	960													14
15	F.E. PETRO VF CONTROLLER		960			20	3	3	20					SPARE	16
17				960											18
	SUBTOTAL	2,880	2,880	2,880							1,920	1,920	1,920	SUBTOTAL	

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
TOTAL PHASE A - VA	4,800	COOLING		1.00	REFRIGERATION		1.00
AMPS	40	HEATING		0	SIGN/DISPLAY		1.25
TOTAL PHASE B - VA	4,800	LIGHTING		1.25	KITCHEN		1.00
AMPS	40	RECEPTACLES		1.0/.5	EXISTING		1.00
TOTAL PHASE C - VA	4,800	MOTORS	14,400	1.00	LARGE MOTOR		1.25
AMPS	40	SUPP HEAT		1.00	SHOW WINDOW		1.25
TOTAL PNLBD - VA	14,400	MISC EQUIP		1.00	LTG TRACK		1.00
AMPS	40						

TOTAL DEMAND: 14,400 VA; 40 A

PANELBOARD NOTES

LTG TRACK - TRACK LENGTH
SIGN/DISPLAY - SIGNAGE & DISPLAY CASE

PANELBOARD: RPH

EQUIPMENT GROUND BUS

BUS AMPS: 125A | A/C RATING:
MAIN SIZE/TYPE: MLO | SERVES:
VOLTS/PHASE: 208Y/120V, 3PH, 4W | MOUNTING: SURFACE
SECTION: 1 | LOCATION:

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1	B14 TOASTER OVEN#2	2,100			5	30	2				2,000				2
3			2,100					3	35	8		2,000		FOLLET ICE CONDENSER (ROOF)	4
5	B14 TOASTER OVEN #4			2,100	5	30	2						2,000		6
7		2,100						1	20					SPARE	8
9	B14 TOASTER OVEN #5		2,100		5	30	2	1	20	12		800		B49 BAZZLE BLENDER	10
11				2,100				1	20	12			1,800	B29 CAPPUCCINO MACHINE	12
13	RESTROOM EDH-2	1,500			12	20	1	2	30	10	1,500			B28 CAPPUCCINO MACHINE	14
15	RESTROOM EDH-3		1,500		12	20	1					1,500			16
17	B30 UNDERCOUNTER REFRI.			500		20	1	1	20					SPARE	18
19	SPARE					20	1	1	20					SPARE	20
21	SPARE					20	1	1	20					SPARE	22
23	SPARE					20	1	1	20					SPARE	24
	SUBTOTAL	5,700	5,700	4,700							3,500	4,300	3,800	SUBTOTAL	

		LOAD	CONN. VA	DF	LOAD	CONN. VA	DF
TOTAL PHASE A - VA	9,200	COOLING		1.00	REFRIGERATION	6,000	1.00
AMPS	77	HEATING		0	SIGN/DISPLAY		1.25
TOTAL PHASE B - VA	10,000	LIGHTING		1.25	KITCHEN	17,900	0.65
AMPS	83	RECEPTACLES		1.0/.5	EXISTING		1.00
TOTAL PHASE C - VA	8,500	MOTORS	3,000	1.00	LARGE MOTOR		1.25
AMPS	71	SUPP HEAT		1.00	SHOW WINDOW		1.25
TOTAL PNLBD - VA	27,700	MISC EQUIP	800	1.00	LTG TRACK		1.00
AMPS	77						

TOTAL DEMAND: 21,435 VA; 59 A

PANELBOARD NOTES

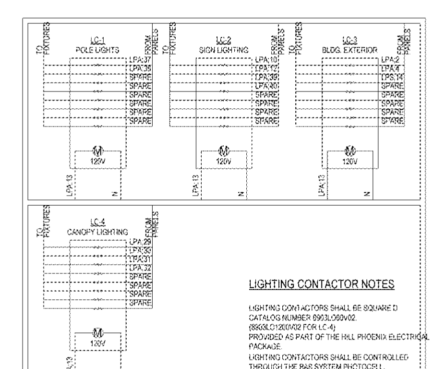
LTG TRACK - TRACK LENGTH
SIGN/DISPLAY - SIGNAGE & DISPLAY CASE

BUILDING ELECTRICAL SERVICE LOAD SUMMARY

BUILDING OCCUPANCY TYPE:	M	SERVICE DESCRIPTION:	
BUILDING SQUARE FOOTAGE:	5,567	208Y/120V, 3PH	

LOAD DESCRIPTION	Connected KVA	Demand FACTOR	Demand KVA
HVAC - SUMMER	78.06	100%	78.06
HVAC - WINTER	0.00	100%	0.00
LIGHTING (PER NEC-220)	16.70	125%	20.88
RECEPTACLES	16.80	100%-50%	13.40
KITCHEN EQUIPMENT	116.71	65%	75.86
MISCELLANEOUS EQUIPMENT	38.49	100%	38.49
REFRIGERATION EQUIPMENT	19.01	100%	19.01
DISPLAY CASE/SIGNAGE	0.00	125%	0.00
EXTERIOR LIGHTING	16.61	125%	20.76
TOTAL LOAD	321.21	KVA	266.29
TOTAL AMPACITY	891.59	AMPS	791.86
SERVICE AMPACITY	800	AMPS	800.00
SPARE CAPACITY		AMPS	8

1 / E5 ELECTRICAL PANEL SCHEDULES
NOT TO SCALE



LIGHTING CONTACTOR NOTES

LIGHTING CONTACTORS SHALL BE SQUARE D CATALOG NUMBER 8903LO80V02. (8903LO1200V02 FOR LC-4) PROVIDED AS PART OF THE HILL PHOENIX ELECTRICAL PACKAGE.
LIGHTING CONTACTORS SHALL BE CONTROLLED THROUGH THE BAS SYSTEM PHOTOCELL.

ELECTRICAL - LIGHTING CONTACTORS

1925 Prospect Ave.
Orlando, FL 32814
P (407) 661-9100
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Cuhaci & Peterson
Architects Engineers Planners

CLIENT NAME
WAWA
260 W. BALTIMORE PIKE
WAWA, PA 19063

PROJECT NAME
W50FB-VA 2018.01-MA
STORE #8658-SUD
10691 DAVIDSON PLACE
MANASSAS, VA 20109

SHEET TITLE
ELECTRICAL PANEL SCHEDULES

Revision Schedule

No.	Description	Date
	PERMIT SET	01/04/2019
1	PERMIT COMMENTS	03/15/2019
2	PERMIT COMMENT	04/26/2019
	BID SET	06/27/2019

PROJECT NO. 2170584
DATE 01/04/2019
DRAWN MLB
CHECKED JPM

E5

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