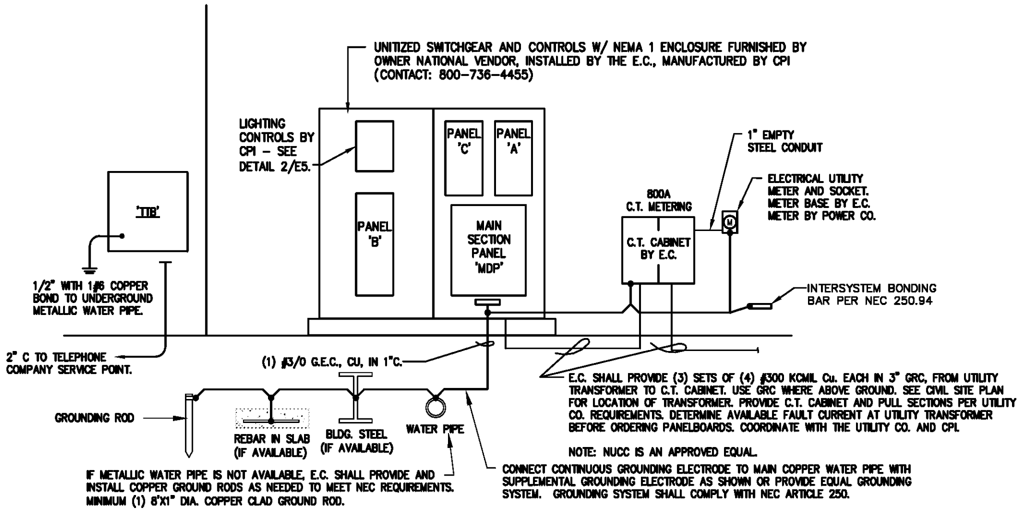
POWER LOAD SUMMARY (KVA)

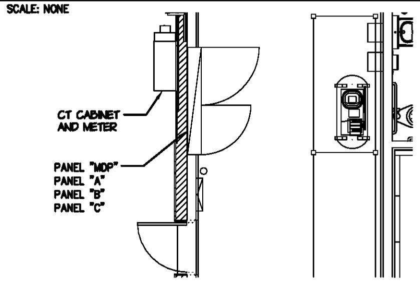
PANEL	RECEPTACLE LOAD	KITCHEN LOAD	HVAC LOAD	INTERIOR LIGHTING LOAD	EXTERIOR LIGHTING LOAD	MISCELLANEOUS LOADS	TOTAL CONNECTED LOAD
PANEL "MDP"	0.00	62.28	0.00	0.00	0.00	10.98	73.26
PANEL "A"	3.47	19.58	3.48	0.00	0.00	9.01	35.51
PANEL "B"	2.88	57.83	62.22	0.00	0.00	22.37	145.3
PANEL "C"	1.08	0.00	0.00	7.69	11.27	2.70	22.75
TOTAL CONNECTED LOAD BY EQUIPMENT TYPE	7.43	139.69	65.67	7.69	11.27	45.06	276.82

SERVICE CALCULATION PER NEC 220.88	
TOTAL CONNECTED KVA:	276.82
A: TOTAL CONNECTED KVA OVER 200KVA =	76.82
B: 50% OF THE AMOUNT OVER 200KVA =	38.41
DEMAND KVA:	238.41 KVA
TOTAL DEMAND AMPERES:	661.76 AMPS

TOTAL CONNECTED KVA	276.82
TOTAL CONNECTED AMPS	768.39



1/E6 **RISER DIAGRAM**
SCALE: NONE



2/E6 **PANEL MAP**
SCALE: NONE

E.C. SHALL BECOME THOROUGHLY FAMILIARIZED WITH LOCAL UTILITY CONSTRUCTION GUIDELINES AND SHALL FULLY COMPLY WITH THEM. E.C. SHALL COORDINATE WITH LOCAL UTILITY AND SHALL BE ASSURED OF LOCAL UTILITY APPROVAL OF SERVICE DESIGN PRIOR TO PURCHASE OR INSTALLATION OF SERVICE EQUIPMENT. CONTACT THE ENGINEER IMMEDIATELY WITH ANY PROBLEMS OR CHANGES. ANY COSTS ARISING FROM FAILURE TO FULLY COORDINATE SERVICE INSTALLATION WITH LOCAL UTILITY SHALL BE BORNE BY THE EC.

GENERAL NOTES

1. ALL INTERIOR METAL PIPING (WATER AND GAS) SHALL BE BONDED TO THE SERVICE ENTRANCE ENCLOSURE, THE GROUNDED CONDUCTOR AT THE SERVICE, THE GROUNDING ELECTRODE CONDUCTOR OF SUFFICIENT SIZE OR TO ONE OR MORE GROUNDING ELECTRODES USED. THE BONDING JUMPER SHALL BE SIZED IN ACCORDANCE WITH TABLE 250.66 (FOR WATER). THE GAS PIPING SHALL BE BONDED WITH A JUMPER SIZED PER TABLE 250.122 USING THE RATING OF THE CIRCUIT THAT MAY ENERGIZE THE PIPING, PER NEC 250.104(B).
2. CIRCUIT BREAKERS SHALL BE RATED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SITE AS DETERMINED BY THE LOCAL ELECTRIC UTILITY. SWITCHGEAR PROVIDER SHALL COORDINATE WITH LOCAL UTILITY TO DETERMINE MAXIMUM AVAILABLE FAULT CURRENT.
3. E.C. TO CONFIRM WITH ELECTRIC COMPANY THE NEED FOR CT CABINET.
4. ELECTRICAL CONTRACTOR SHALL REFER TO "CONTRACTOR COORDINATION SCHEDULE" ON SHEET E8 FOR RESPONSIBILITIES.
5. ELECTRICAL CONTRACTOR SHALL PROVIDE A DIRECTORY, COMPLETELY TYPED TO IDENTIFY CIRCUITS, WITH TRANSPARENT PROTECTOR FOR EACH PANEL.
6. ANY DEVIATIONS FROM THE DESIGN PLANS SHALL ONLY BE PERFORMED IF APPROVED BY THE OWNER'S REPRESENTATIVE, THE DESIGN ENGINEER, AND THE LOCAL INSPECTOR. ALL WORK SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF ALL APPLICABLE CODES AND STANDARDS. HOWEVER, ANY DEVIATION FROM THE DESIGN PLANS IMPLIED BY LOCAL CODES THAT SUGGESTS INSTALLATION OF LESS THAN THE REQUIREMENTS SPECIFIED IN THE DESIGN PLANS SHALL NOT BE ALLOWED WITHOUT APPROVAL BY THE OWNER'S REPRESENTATIVE OR THE DESIGN ENGINEER. ANY UNAPPROVED DEVIATIONS FROM DESIGN SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR, CONTRACTOR SHALL INSTALL SYSTEMS, EQUIPMENT AND COMPONENTS IN ACCORDANCE WITH MINIMUM REQUIREMENTS SHOWN IN THESE PLANS.
7. E.C. SHALL VERIFY ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT W/ NAMEPLATE DATA PRIOR TO INSTALLATION. MATCH RECEPTACLES, PLUGS AND CORD EXTENSIONS AS REQUIRED. PROVIDE DISCONNECT TO MATCH EQUIPMENT WHERE REQUIRED.
8. E.C SHALL PROVIDE ALL ELECTRICAL PANELS WITH ARC-FLASH WARNING LABELS PER NEC.
9. E.C. TO PROVIDE AND INSTALL PLACARDS ON EACH PANEL INDICATING PANEL'S SOURCE, INCLUDING PANEL NAME AND FEEDER CIRCUIT NUMBER AND THE AVAILABLE FAULT CURRENT AND THE DATED CALCULATED. E.C. TO PROVIDE AND INSTALL PANEL MAP.
10. CIRCUIT BREAKERS FOR MULTI-CONDUCTOR CIRCUITS SHALL HAVE A COMMON TRIP FOR ALL CONDUCTORS.
11. PANEL PLACARDS ARE TO BE MADE FROM LAMINATED PLASTIC PROVIDING A BLACK BACKGROUND TO WHITE ENGRAVED LETTERING.

CIRCUIT NOTES:

1. INSTALL IN EACH CONDUIT RUN A CODE-SIZED GROUNDING CONDUCTOR (NOT ILLUSTRATED).
2. CONDUIT MATERIAL:
   A. LESS THAN 2" AND ABOVE GROUND, DRY LOCATIONS: EMT.
   B. 2" OR LARGER, IN OR UNDER FLOOR SLAB; SCH 40 PVC.
   C. WHERE EXPOSED ON EXTERIOR OF BUILDING: RIGID STEEL.
3. COLOR CODE ALL CONDUCTORS.

FAULT CURRENT CALCULATION NOTES:

E.C. SHALL PROVIDE A SERIES RATED DISTRIBUTION SYSTEM CAPABLE OF WITHSTANDING THE ACTUAL AVAILABLE FAULT CURRENT. THESE CALCULATIONS REPRESENT A WORST CASE ESTIMATE BASED ON AN INFINITE BUS DESIGN. E.C. SHALL ONLY USE THESE CALCULATIONS AS A GUIDELINE FOR THE PROPER SELECTION AND COORDINATION OF BREAKERS. ACTUAL VALUES WILL VARY ACCORDING TO NUMEROUS VARIABLES. VALUES ARE VALID ONLY FOR A 300kVA TRANSFORMER WITH AN IMPEDANCE OF 1.6% OR GREATER AND SERVICE LATERALS NOT LESS THAN 28 FEET IN TOTAL LENGTH. E.C. SHALL FIELD VERIFY TRANSFORMER RATINGS AND LOCATION AND ALL CONDUCTOR VARIABLES PRIOR TO PURCHASING BREAKERS. ADJUST AS REQUIRED. CONSULT DESIGN ENGINEER AS NEEDED.

ELECTRICAL SCHEDULE

ITEM	QTY.	DESCRIPTION	CIRCUIT #	VOLT	PHASE	AMPS	HP	REMARKS
00002	2	ICE MACHINE	B-4/B-6	115	1	9.7		
00194	1	AIR CURTAIN @ STORAGE	MDP-20,22,24	208	3	3.6		SEE M1 FOR REQUIREMENTS
00194A	1	OVERHEAD TRACK MOUNT CONTACTS		24				
00204	3	BATTERY BACK-UP		120	1			SUPPLIED BY OTHERS. E.C. TO VERIFY RATING IS SUFFICIENT FOR EQUIP SERVED; NOTIFY OWNER IF NOT.
00205	4	PRINTER	B-33/B-35/B-37/B-30	120	1	5		
01301	4	MONITOR (ORDER REPEATERS)	B-4	120	1			
01302	2	CONTROLLER WITH BUMP BAR	B-4	120	1			
02002	4	POS MONITOR	B-25/B-27/B-29/B-31	120	1	5		
02003	1	INTERACTIVE CUSTOMER DISPLAY	B-25	120	1	5		
07001	1	BACK OFFICE PC UNIT	B-17	120	1	2		
07002	1	DESKTOP MONITOR	B-17	120	1	2.5		
07007	1	INTEGRATED AMPLIFIER	B-19	120	1	2.17		
07008	1	SECURITY SYSTEM	B-23	120	1	1		
07012	1	WALL MOUNTED TV/VCR	B-13	120	1	2.5		
09012	1	F-MACHINE	A-13	110	1	4.9		
13860	1	HOIST ASSEMBLY ABOVE		120	1	9.8	1/2	PROVIDED W/ 15" CORD. E.C. TO PROVIDE NEMA 5-20P FED FROM PROOFER C.P.
15866	1	SCALE/WATER FRAME	A-6	120	1	2	.13	NEMA 5-15P/NEMA 5-20R
41144	3	FILLING MACHINE	A-11	120	1	4.9	.03	
41649	1	1/4 BBL MIXER	B-67,69,71	208	3	17.15	5	DROP #10-4 SO CORD TO 5FT A.F.F. FROM J-BOX ABOVE CEILING W/ NEMA L-14-30R.
41656	1	C/T CONDENSING UNIT	B-55,57,59	208	3	18.4		FLA:18.4A; MCA:22.5A; MOCP: 35A; SEE SHEET E8 FOR DETAILS.
41851	1	VARIMIXER MIXER	B-61,63,65	208/240	3	13	4	DROP #12-4 SO CORD TO GFT A.F.F. FROM J-BOX ABOVE CEILING W/ NEMA L14-20R.
41980	1	GLAZE COOKER	B-49,51,53	208	3	30		DROP (3)#8 BLK, (1)#10G IN 3/4" CONDUIT TO RAINTIGHT DISCONNECT 6FT A.F.F.
43631	1	AIR COMPRESSOR 20 GALLON	B-12	120	1	15.7	2	
43631A	1	DIRECT ACTING ELE. DRAIN VALVE	B-12	120	1	0.3		
44315	1	WATER METER	A-6	120	1	7	.13	NEMA 5-15P/NEMA 5-20R
44810	1	WATER CHILLER FOR MIXER	A-41	115	1	17.2		HARDWIRED
60009	1	SYSTEM CONTROL PANEL 270 D/H	MDP-13,15,17	120/208	3	30.5		50 AMP CIRCUIT. SEE SHEET E8 FOR DETAILS. W/ NEUTRAL & GND.
60237	3	HAND ICING MACHINE	A-5/A-7/A-23	120	1	1.68		OWNER PROVIDED CUSTOM [illegible] W/ CUSTOM PLUG, E.C. TO COORDINATE RECEPTACLE.
62003	1	270 D/H ELECTRIC FRYER	MDP-14,16,18	208	3	101		150 AMP CIRCUIT
62005	1	270 D/H GLAZER		208	3	1.7		FED FROM SYSTEM PANEL. SEE SHEET E8 FOR DETAILS.
62008	1	GLAZE TANK W/ PUMP		208	3	10.6		FED FROM SYSTEM PANEL. SEE SHEET E8 FOR DETAILS.
62008H	1	GLAZE TANK HEATER		208	1	11.79		FED FROM SYSTEM PANEL. SEE SHEET E8 FOR DETAILS.
62014C	1	130° COOLING TUNNEL		208	3	[illegible]		FED FROM SYSTEM PANEL. SEE SHEET E8 FOR DETAILS.
62014F	1	130° COOLING TUNNEL FAN	B-7	120	1	4.[illegible]		[illegible] CIRCUIT
62016	1	8' PACKING TABLE		208	3	1.7		FED FROM SYSTEM PANEL. SEE SHEET E8 FOR DETAILS.
62202	1	270 D/H PROOFER	MDP-8,10,12	120/208	3	72		90 AMP CIRCUIT, 72 [illegible] SEE SHEET E8 FOR DETAILS. W/ NEUTRAL & GND.
64001	1	EXTRUDER		-				FED FROM SYSTEM PANEL. SEE SHEET E8 FOR DETAILS. REQUIRES GFI PROTECTION.
70056	1	GLAZE KETTLE HOOD & FAN		-				SEE SHEETS E5 & E8.
70099	1	D/T 5 HEADSET SYSTEM		120	1	2.5		
71034	1	COPIER-FAX MACHINE	B-13	120	1	4.2		
71169	1	DOUBLE COFFEE BREWER	B-45,47	208	1	27.4		E.C. TO PROVIDE CORD & NEMA L14-50 TWIST LOCK PLUG AND RECEPTACLE.
71177	1	ESPRESSO MACHINE	B-14,16	208	1	24		30 AMP DED. 3 WIRE CIRCUIT, NEMA L6-30R
71263	1	FROZEN BEVERAGE SYSTEM	B-2	120	1	12		
71264	2	ON THE COUNTER BLENDER	A-10/A-25	120	1	20		NEMA 5-20 PLUG AND RECEPTACLE
71285	1	EZE CONTROLLER	C-24	125	1	15		
71286	1	MUSIC PLAYBACK PLAYER	B-[illegible]	120	1	5		
81708	1	DOUGHNUT DISPLAY CASE	A-[illegible]	120	1	2		
81915	2	UNDERCOUNTER REFRIGERATOR	A-27/A-29	[illegible]	1	3.3	1/5	NEMA 5-15P
81915A	1	UNDERCOUNTER 2 DOOR REFRIG	A-31	115	1	3.3	1/5	NEMA 5-15P
81916	1	REACH-IN REFRIGERATOR 2 DOOR	A-35	115	1	9.1	1/2	NEMA 5-15P
81922	1	SELF-SERVICE REFRIG. CASE	[illegible]	110	1	10.74		NEMA 5-15P
99920	1	EMPLOYEE TIME CLOCK	A-9	120	1	1.5		SEE SPECS FOR MOUNTING HEIGHT AND POWER AND DATA REQUIREMENTS.
99950	1	TABLETOP MIXER	A-32	110	1	5.4	3/4	NEMA 5-15P
99951	1	STACKER		24		30		
99953	1	BUG LIGHT @ STORAGE	A-14	120	1			
99954	1	BUG LIGHT @ CORRIDOR	A-16	120	1			

PANEL SCHEDULE — MARK: C

Notes	LOAD		VA	P	A	CCT	CCT	A	P	VA	LOAD		Notes
	LIGHTING PRODUCTION: EF-1	-	[illegible]	[illegible]	20	1	2	20	[illegible]	1200	SIGN CIRCUIT	-	1 2
	LIGHTING STORAGE/WASH/OFFICE	-	624	[illegible]	[illegible]	3	4	20	[illegible]	1200	SIGN CIRCUIT	-	1 2
	LTG RESTROOMS/CPG OFFICE:EF-2	-	395	1	[illegible]	[illegible]	[illegible]	20	1	1200	SIGN CIRCUIT	-	1 2
	LIGHTING CORRIDOR/DINING/ENTRY	-	1030	1	20	[illegible]	[illegible]	20	1	360	SHOW WINDOW RECEPTACLES	-	
	LIGHTING SERVICE	-	278	1	20	[illegible]	[illegible]	20	1	960	PRIME SIGN - BOWTIE	-	1 2
1	EXTERIOR WALLPACKS	-	320	1	20	11	[illegible]	20	1	1440	HOT NOW SIGN	-	2
1	EXTERIOR LIGHTING	-	450	1	20	13	14	20	1	1440	HOT NOW SIGN	-	2
	[illegible] TRACK	-	1260	1	20	15	16	20	1	1440	HOT NOW SIGN @ MON. SIGN	-	2
1 4	LOT LIGHTS	-	1028	1	20	17	18	20	1	1440	HOT NOW SIGN @MON. SIGN	-	2
1 4	LOT LIGHTS	-	1542	1	20	19	20	20	1	500	LIGHTING CONTROLS	-	
1	EXTERIOR LED [illegible] LIGHTS	-	300	1	20	21	22	20	1	500	IRRIGATION CONTROL PANEL	-	3
	TOWER LIGHTS	-	220	1	20	23	24	20	1	1800	EZE CONTROLLER #71285	-	
	SPARE	-		1	20	25	26	20	1	1200	ARROW SIGN	-	1 2
	SPARE	-		1	20	27	28	20	1	360	SHOW WINDOW RECEPTACLES	-	
	SPARE	-		1	20	29	30	20	1		SPARE	-	
	SPARE	-		1	20	31	32	20	1		SPARE	-	
	SPARE	-		1	20	33	34	20	1		SPARE	-	
	SPARE	-		1	20	35	36	20	1		SPARE	-	
	SPARE	-		1	20	37	38	20	1		SPARE	-	
	SPARE	-		1	20	39	40	20	1		SPARE	-	
	SPARE	-		1	20	41	42	20	1		SPARE	-	

TOTAL "A": 8559 VA — BALANCED LOAD 64.8 AMPS
TOTAL "B": 6922 VA
TOTAL "C": 7843 VA
TOTAL 23324 VA
VOLTAGE 120/208 V 3 PH 4 W — MAIN: 225A M/B

NOTES:
1. CONTROLLED VIA TIME CLOCK AND CONTRACTOR.
2. PROVIDE LOCKABLE BREAKER.
3. PROVIDE GFI BREAKER.
4. VERIFY WIRE SIZE IN FIELD (VOLTAGE DROP)

PANEL SCHEDULE — MARK: B

Notes	LOAD		VA	P	A	CCT	CCT	A	P	VA	LOAD		Notes
3	DOOR BELL	-	360	1	20	1	2	20	1	1440	FROZEN BEV SYS #71263	-	3
3	TTB RECEPT	-	360	1	20	3	4	20	1	1164	ICE MACHINE #00002	-	3 6 7
	OFFICE RECEPTACLES	-	1260	1	20	5	6	20	1	1164	ICE MACHINE #00002	-	3 6 7
	COOLING TUNNEL FAN #62014F	-	590	1	20	7	8	20	1	720	CONV. RECEPTACLE COUNTER	-	3
	DINING RECEPTACLES	-	360	1	20	9	10	20	1		SPARE	-	
3	CONVENIENCE RECEPTACLES	-	720	1	20	11	12	20	1	1920	AIR COM. #43631/ELEC DRAIN#43631A	-	3
1	COPIER-FAX #71034/TV#07012	-	800	1	20	13	14		2	2500	ESPRESSO MACHINE #71177	-	
3	DT INTERCOM #70099	-	300	1	20	15	16	30		2500	3#10, #10G - 3/4"C	-	
1	PC #07001/MONITOR #07002	-	540	1	20	17	18	20	1		SPARE	-	3
	MUSIC PLAYBACK#71286/AMP#07007	-	860	1	20	19	20	20	1	400	D/T SPEAKER VIA AUDIO CONTROL	-	1
1 3	MONITORS #01301 (4)/#01302 (2)	-	1200	1	20	21	22	20	1		SPARE	-	
1	SECURITY SYSTEM #07008	-	120	1	20	23	24	20	1		SPARE	-	
1 3 4	POS MON #02002/CUST DISPLAY #02003	-	1200	1	20	25	26	20	1		SPARE	-	2
1 3 4	POS MON #02002	-	600	1	20	27	28	20	1		SPARE	-	
1 3 4	POS MONITOR #02002	-	600	1	20	29	30	20	1	600	PRINTER #00205	-	1 3 5
1 3 4	POS MONITOR #02002	-	600	1	20	31	32	20	1		SPARE	-	
1 3 5	PRINTER #00205	-	600	1	20	33	34	20	1		SPARE	-	
1 3 5	PRINTER #00205	-	600	1	20	35	36	20	1		SPARE	-	
1 3 5	PRINTER #00205	-	600	1	20	37	38	20	1		SPARE	-	
1 3 5	SPARE	-		1	20	39	40	20	1		SPARE	-	
	DIGITAL MENU BOARDS	-	1500	1	20	41	42	20	1	1500	DATA CENTER (OFFICE)	-	1
	SPARE	-		1	20	43	44	20	1	180	WASH CONV. RECEPTACLE	-	
	DBL COFFEE BREWER #71169	-	2850	2		45	46	20	1	720	BANQUETTE SEATING	-	3
	2#8, #10G - 3/4"C	-	2850		40	47	48	20	1	720	BAR SEATING	-	3
	GLAZE COOKER #41980	-	3600	3		49	50	20	1	1000	CPG OFFICE COMP/MON	-	
	3#8, #10G - 3/4"C	-	3600			51	52	20	1	500	CPG OFFICE	-	
	-	-	3600		40	53	54	20	1		SPARE	-	
6	C/T CU FLA: 18.4 MCA:22.5	-	2210	3		55	56		3	12060	RTU-1 FLA:100.4 MCA:116	-	6
	3#8, #10G - 3/4"C	-	2210			57	58			12060	3#3, #8G - 1 1/4"C	-	
	#41656	-	2210		35	59	60	150		12060	-	-	
	VARIMIXER #41851	-	1560	3		61	62		3	6470	RTU-2 FLA:53.9 MCA:67	-	6
	3#12, #12G - 3/4"C	-	1560			63	64			6470	3#3, #8G - 1 1/4"C	-	
	-	-	1560		20	65	66	80		6470	-	-	
	1/4 BBL MIXER #41649	-	2060	3		67	68		2	750	WALK-IN COOLER	-	3
	3#10, #10G - 3/4"C	-	2060			69	70	15		750	2#12, #12 - 3/4"C	-	
	-	-	2060		35	71	72	20	1	100	WALK-IN COOLER LTS	-	

TOTAL "A": 39960 VA — BALANCED LOAD 72.9 AMPS
TOTAL "B": 39864 VA
TOTAL "C": 42154 VA
TOTAL 121978 VA
VOLTAGE 120/208 V 3 PH 4 W — MAIN: 400A M/B

NOTES:
1. I.G. CIRCUIT - PROVIDE ADDITIONAL INSULATED GROUND WIRE.
2. PROVIDE LOCKABLE BREAKER.
3. PROVIDE GFI BREAKER.
4. VIA UPS (00204).
5. CIRCUIT FOR UNDESIGNATED SIDE OF POS QUAD REQUIRING DEDICATED CIRCUIT FOR EACH DUPLEX.
6. PROVIDE HACR TYPE BREAKER
7. 2#10, #10G - 3/4"C

PANEL SCHEDULE — MARK: MDP

LOAD		VA	P	A	CCT	CCT	A	P	VA	LOAD		Notes
PANEL C	-	8559	3		1	2		3	7520	PANEL A	-	
4#4/0, #4G - (1)2-1/2"C	-	7522			3	4			7670	4#4/0, #4G - (1)2-1/2"C	-	
-	-	7843		225	5	6	225		12780	-	-	
PANEL B	-	39960	3		7	8		3	8640	270 DH PROFFER #62202	-	
4#3/0, #2G - (1)2-1/2"C	-	39864			9	10			8640	4#2, #8G - (1)1-1/2"C	-	
-	-	42154		400	11	12	90		8640	-	-	
270 D/H CONTROL PANEL #60009	-	3660	3		13	14		3	12120	270 DH ELEC FRYERS #62003	-	1
4#6, #10G - (1)1"C	-	3660			15	16			12120	3#1/0, #6G - (1)1-1/2"C	-	
-	-	3660		50	17	18	150		12120	-	-	
SPACE	-		3		19	20		3	432	AIR CURTAIN AC-1	-	
-	-				21	22			432	3#12, 3/4"C	-	
-	-			-	23	24	20		432	#00194	-	
SPACE	-		3		25	26		3	2740	AIR CURTAIN AC-1	-	
-	-				27	28			2740	3#8, 3/4"C	-	
-	-			-	29	30	35		2740	-	-	

TOTAL "A": 83631 VA — BALANCED LOAD 652.4 AMPS (2)
TOTAL "B": 82648 VA
TOTAL "C": 90369 VA
TOTAL 256648 VA
VOLTAGE 120/208 V 3 PH 4 W — MAIN: 800A M/B

NOTES:
1. PROVIDE SHUNT TRIP CIRCUIT BREAKER, CIRCUIT ISOLATED BY HOOD FIRE PROTECTION ANSUL SYSTEM UPON DETECTION. 3 WIRES PLUGS GROUND PER K.K. EQUIPMENT DEPARTMENT.
2. REFER TO OPTIONAL LOAD CALCULATION ON THIS SHEET.

PANEL SCHEDULE — MARK: A

Notes	LOAD		VA	P	A	CCT	CCT	A	P	VA	LOAD		Notes
	SPARE	-		1	20	1	2	20	1	250	DT LOOP VIA CONTROL BOX	-	1 2
	SAFE	-	180	1	20	3	4	20	1	710	DT MENU BOARD VIA TIME CLOCK	-	1 2
1	ICING MACHINE #60237	-	1680	1	20	5	6	20	1	1080	WATER MTR #44315/SCALE #15866	-	1
1	ICING MACHINE #60237	-	1680	1	20	7	8	20	1	360	EXTERIOR CONV RECEPT	-	1
1	EMPLOYEE TIME CLOCK #99920	-	180	1	20	9	10	25	1	2400	BLENDER #71264	-	1 7
1	(3) FILLING MACHINES #41144	-	1760	1	20	11	12	20	1	500	INSTANT W.H. CONTROLS	-	
5	F-MACHINGE #09012	-	590	1	20	13	14	20	1	70	BUG LIGHT #99953	-	1
	SHUNT TRIP	-				15	16	20	1	40	BUG LIGHT #99954	-	
2 4 5	HOOD FIRE SUPRESSION	-	1200	1	20	17	18	20	1	360	REC - RTU'S	-	1
1 5	DOUGHNUT DISPLAY #81708	-	240	1	20	19	20	-	1		SPACE	-	
2 4 5	HOOD CONTROLS & LTS/REC	-	500	1	20	21	22	20	1	1320	HEF-1 FLA:11.0	-	4
1	ICING MACHINE #60237	-	1680	1	20	23	24	20	1	460	HEF-2 FLA:3.8	-	4
1 7	BLENDER #71264	-	2400	1	25	25	26	20	1		SPARE	-	1
1	UC REFRIG #81915	-	400	1	20	27	28	20	1		SPARE	-	1
1	UC REFRIG #81915	-	400	1	20	29	30	20	1		SPARE	-	
1	UC REFRIG #81915A	-	400	1	20	31	32	20	1	830	TABLETOP MIXER #99950/CONV OUTLET	-	1
1	SELF-SERV REFR CASE #81922	-	1290	1	20	33	34		2	650	BOOSER PUMP, WHOLE BUILDING	-	
1	REACH-IN REFRIG-2 DOOR #81916	-	1090	1	20	35	36	20		650	2#12, #12G - 3/4"C	-	
1	SPARE	-		1	20	37	38	20	1	700	RECIRC PUMP - RP-1/AQUASTAT	-	
	SPARE	-		1	20	39	40	20	1		SPARE	-	1 2
7	WATER CHILLER FOR MIXER #44810	-	1920	1	20	41	42	20	1		SPARE	-	1 2

TOTAL "A": 7520 VA — BALANCED LOAD 61.1 AMPS
TOTAL "B": 7670 VA
TOTAL "C": 12780 VA
TOTAL 27970 VA
VOLTAGE 120/208 V 3 PH 4 W — MAIN: 225A M/B

NOTES:
1. PROVIDE GFI BREAKER.
2. PROVIDE LOCKABLE BREAKER.
3. E.C. SHALL VERIFY REQUIREMENTS PRIOR TO INSTALLATION.
4. SEE WIRING DIAGRAM ON "H" SHEETS.
5. SEE SHEET E8 FOR DETAILS.
6. OPTIONAL - E.C. SHALL VERIFY INSTALLATION PRIOR TO BID.
7. 2#10, #10 IN 3/4" C.

GEORGE SARFATTY, AIA
500 Davis Street, Suite 615, Evanston, Illinois 60201
847.920.1100 www.sarfatty.com fax 847.920.1101

Copyright© 2018

KENNETH L. KRAUS
P.E. # 74120
306 Oak Grove Drive
Wauconda, IL 60084
T (847) 719-1708 F (847) 719-1738
Plumbing ❖ Mechanical ❖ Electrical

KRISPY KREME DOUGHNUTS
1730 E. NINE MILE ROAD
PENSACOLA, FL 32514

[redacted]

SEAL: KENNETH L. KRAUS LICENSE 74120 STATE OF FLORIDA PROFESSIONAL ENGINEER 8/23/18

DATE:	08/23/18
PROJECT NO.:	18-004
CHECKED BY:	KLK
DRAWN BY:	STAFF
SHEET TITLE:	PANEL SCHEDULES AND RISER DIAGRAM
SHEET NO.:	E6

6569 E6 08/20/18

Order Plans @ WWW.LDIinc.com