

PROVIDE AN ARC FLASH WARNING SIGN PER NEC 110.16.

PANEL A										200 AMP MAIN BREAKER												
FLUSH MOUNTED										ISOLATED GROUND												
GROUND BUS										AIC: 65 / 10 KAIC SERIES RATED												
NEMA RATING 1										NEMA RATING 1												
VOLTAGE 208Y/120V 3Ø 4W										VOLTAGE 208Y/120V 3Ø 4W												
CB	WIRE/GRND	LOAD SERVED	EQ. NO.	CB	WIRE/GRND	LOAD SERVED	EQ. NO.	CB	WIRE/GRND	LOAD SERVED	EQ. NO.	CB	WIRE/GRND	LOAD SERVED	EQ. NO.	CB	WIRE/GRND	LOAD SERVED	EQ. NO.			
1	20/1	12/12	WC DISPLAY L7S/MENUBRD/LED	1	20/1	12/12	DUCT DETECTORS ①③	1	20/1	12/12	ELECTRIC WATER HEATER ③	1	20/1	12/12	DRIVE THRU/ICE MACHINE	1	20/1	12/12	DRIVE THRU/ICE MACHINE			
3	20/1	12/12	HOOD CONT'L PNL "M4"	M4	3	20/1	10/10	LTG - FOOD PREP/EM./EF-3	3	20/1	10/10	LTG - DINING AREA	5	20/1	12/12	GENERAL RECEP'TS	9	20/1	12/12	GENERAL RECEP'TS		
5	20/1	12/12	SER. AREA POS'S 94, PTRS "86A"	←	5	20/1	12/12	LTG - SHOW WINDOW RECEP'TS	7	20/1	12/12	ICE MACHINE CONDENSING UNIT ④	10J	10/10	20/2	12	20/1	12/12	ICE MACHINE CONDENSING UNIT ④			
7	20/1	12/12	DRIVE THRU POS'S (86A), PRINTERS (86A)	←	7	20/1	12/12	REAR DOOR - FLY FAN	14	20/1	12/12	WALK-IN FREEZER COIL	32M	12/12	20/1	18	20/1	12/12	WALK-IN FREEZER COIL			
9	20/1	12/12	CARB. "4B", SEC. M.OH. "95-4-S3"	←	9	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	15	20/1	12/12	SEC. MONITOR/HME - RECEP'TS	P2	17	20/1	12/12	GAS WATER HEATER ②③	9D	19	20/1	10/10	ICED TEA BREWER ②
11	20/1	12/12	RICE WARMER "54"	54	11	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	22	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	26	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②
13	20/1	12/12	REFRIGERATED PREP TABLE ②	34A	13	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	32	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	30	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②
15	20/1	12/12	REFRIGERATED PREP TABLE ②	34D	15	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	32	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	32	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②
17	20/1	12/12	UNDERCOUNTER WORKTOP FREEZER ②	30K	17	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	28	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	28	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②
19	20/1	12/12	SERV.RO DSPNSR (44AB), ICE MACHINE (#10J)	←	19	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	20	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	20	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②
21	20/1	12/12	SERVING COUNTER	21	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	22	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	22	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	
23	20/1	12/12	ICED TEA BREWER ②	9D	23	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	24	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	24	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②
25	20/1	12/12	FOOD PROCESSOR ②	53	25	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	26	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	26	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②
27	20/1	12/12	SPACE	27	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	28	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	28	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	
29	20/1	12/12	WALK-IN COOLER COIL ③	31	29	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	30	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	30	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②
31	20/1	10/10	RICE-HOLDING CABINET ②	24H	31	20/1	10/10	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	32	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	32	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②
33	20/1	12/12	(SHUNT TRIP)	33	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	32	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	32	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	
35	20/1	10/10	INDUCTION COOKER ②	52	35	20/1	10/10	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	30	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	30	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②
37	20/1	12/12	(SHUNT TRIP)	37	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	32	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	32	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	
39	20/1	12/12	HEAT WRAP "32-S7"	←	39	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	40	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	40	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②
41	20/1	12/12	FLY LIGHT	41	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	42	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	←	10/10	20/1	42	20/1	12/12	INDUCTION DRY WELL (#3J / 3K) ②	
TOTAL:			16808	14488	17398																	
LOAD ANALYSIS - PANEL A										LOAD ANALYSIS - PANEL A												
ITEM										ITEM												
LOAD (KVA)										LOAD (KVA)												
DEMAND FACTOR										DEMAND FACTOR												
CALC. DEMAND (KVA)										CALC. DEMAND (KVA)												
LIGHTS										LIGHTS												
KITCHEN										KITCHEN												
MISC.										MISC.												
RECEP.T.										RECEP.T.												
FANS										FANS												
TOTAL										TOTAL												
TOTAL CONNECTED LOAD: 48.694 VA										TOTAL CONNECTED LOAD: 48.694 VA												
135 AMPS										135 AMPS												

- ① COORDINATE WITH MECHANICAL CONTRACTOR.  
② PROVIDE GFCI BREAKER.  
③ PROVIDE HACR BREAKER.

PROVIDE AN ARC FLASH WARNING SIGN PER NEC 110.16.

PANEL B										200 AMP MAIN BREAKER																																																																			
GROUND BUS										GROUND BUS																																																																			
AIC: 65 / 10K SERIES RATED										AIC: 65 / 10K SERIES RATED																																																																			
42 POSITION, TYPE FLUSH MOUNTED BOLT ON W/ GROUND BUS										42 POSITION, TYPE FLUSH MOUNTED BOLT ON W/ GROUND BUS																																																																			
NEMA RATING 1										NEMA RATING 1																																																																			
VOLTAGE 208Y120V 3Ø 4W										VOLTAGE 208Y120V 3Ø 4W																																																																			
LOAD SERVED										LOAD SERVED																																																																			
LOAD VA										LOAD VA																																																																			
ØA ØB ØC										ØA ØB ØC																																																																			
1	20/1	12/12	DUCT DETECTORS ①③	1	20/1	12/12	ELECTRIC WATER HEATER ③	P3	8/10	40/2	2	20/1	12/12	DUCT DETECTORS ①③	1	20/1	12/12	ELECTRIC WATER HEATER ③	P3	8/10	40/2	2																																																							
3	20/1	10/10	LTG - FOOD PREP/EM./EF-3	3	20/1	10/10	LTG - DINING AREA	5	20/1	12/12	GENERAL RECEP'TS	9	20/1	12/12	EXTERIOR RECEP'T ②	11	20/1	12/12	RESTROOMS - HAND DRYERS	13	20/1	12/12	SEC. MONITOR/HME - RECEP'TS	15	20/1	12/12	GAS WATER HEATER ②③	P2	17	20/1	12/12	ICE TEA BREWER ②	19	20/1	10/10	LTG - RESTROOMS / INVERTER / EF-3 ①	21	20/1	12/12	SOUP WARMERS ②	23	20/1	12/12	DRIVE THRU WINDOW (#M10) / SENSOR BAR	←	25	20/1	10/10	INDUCTION DRY WELL (#3J / 3K) ②	←	27	20/1	10/10	INDUCTION DRY WELL (#3J / 3K) ②	←	29	20/1	10/10	STAR ELECTRICAL GRILL	23B	31	35/3	8/10	(SHUNT TRIP)	37	39	20/1	10/10	INDUCTION DRY WELL (#3J / 3K) ②	←	39	41	20/1	10/10	INDUCTION DRY WELL (#3J / 3K) ②	←	41
TOTAL: 16830 18104 15058										TOTAL: 16830 18104 15058																																																																			
LOAD ANALYSIS - PANEL B										LOAD ANALYSIS - PANEL B																																																																			
ITEM										ITEM																																																																			
LOAD (KVA)										LOAD (KVA)																																																																			
DEMAND FACTOR										DEMAND FACTOR																																																																			
CALC. DEMAND(KVA)										CALC. DEMAND(KVA)																																																																			
LIGHTS	4.1	125%	5.1	LIGHTS	4.1	125%	5.1	KITCHEN	21.6	65%	14.0	KITCHEN	21.6	65%	14.0	MISC.	13.9	100%	13.9	MISC.	13.9	100%	13.9																																																						