

PANEL "M" SCHEDULE													
FED FROM:		FUSIBLE SWITCH		MOUNTING:		SURFACE MOUNTED							
VOLTAGE:		120/208V, 3 PHASE, 4 WIRE		ENCLOSURE:		NEMA 1							
BUS MATERIAL:		ALUMINUM OR COPPER		FAULT CURRENT:		35331 AMPS							
BUS LOAD:		104 AMPS		AIC RATING:		42 KAIC							
BUS RATING:		225 AMPS		OPTIONS*:		BONDED EQUIPMENT GROUND BAR							
MAIN:		MAIN LUG ONLY											
NOTES	CKT.	LOAD DESCRIPTION	LOAD (VA)			BREAKER	BREAKER	LOAD (VA)			LOAD DESCRIPTION	CKT.	NOTES
			A	B	C			A	B	C			
	1	ICE CONDENSING UNIT	1116			20/3	15/3	312			EF-1	2	
	3	-----		1116		----	----		312		-----	4	
	5	-----			1116	----	----			312	-----	6	
	7	ICE CONDENSING UNIT	1116			20/3	15/3	264			EF-2	8	
	9	-----		1116		----	----		264		-----	10	
	11	-----			1116	----	----			264	-----	12	
	13	ICE CONDENSING UNIT	1116			20/3	20/3	1088			MUA-1 CONDENSER 1	14	
	15	-----		1116		----	----		1088		-----	16	
	17	-----			1116	----	----			1088	-----	18	
	19	MUA-1	708			15/3	30/2	1875			AC-1	20	
	21	-----		708		----	----		1875		18A	22	
	23	-----			708	----	20/1			540	RECEPT	24	
	25	COOLER CONDEN	624			15/2	20/3	1088			MUA-1 CONDENSER 2	26	
	27	-----		624		----	----		1088		-----	28	
	29	FREEZER CONDEN			1882	25/2	----			1088	-----	30	
	31	-----	1882			----	30/2	1875			AC-2	32	
	33	AC-4		5220		60/3	----		1875		18A	34	
	35	43.5A			5220	----	30/2		1875		AC-3	36	
	37	-----		5220		----	----		1875		18A	38	
	39	SPACE ONLY									SPACE ONLY	40	
	41	SPACE ONLY									SPACE ONLY	42	
TOTALS:			11782	9900	11158			8377	6502	5167			
NOTES:													
* PROVIDE HANDLE TIES FOR ALL MULTIWIRED BRANCH CIRCUITS. SEE SPECIFICATIONS FOR OTHER OPTIONS REQUIRED.													
PHASE A VOLT-AMPS : 20159 VA.													
PHASE B VOLT-AMPS : 16402 VA.													
PHASE C VOLT-AMPS : 16325 VA.													
TOTAL DEMAND AMPS = 52886 VOLTS-AMPS ÷ (√3 • PHASE VOLTAGE 208 VOLTS ) = 147 AMPS													

PANEL "T" SCHEDULE													
FED FROM:		POWER PANEL "MDP"				MOUNTING:				SEMI-FLUSH MOUNTED			
VOLTAGE:		120/208V, 3 PHASE, 4 WIRE				ENCLOSURE:				NEMA 1			
BUS MATERIAL:		ALUMINUM OR COPPER				FAULT CURRENT:				13900 AMPS			
BUS LOAD:		25 AMPS				AIC RATING:				22 KAIC			
BUS RATING:		100 AMPS				OPTIONS*:				BONDED EQUIPMENT GROUND BAR			
MAIN:		MAIN LUG ONLY											
NOTES	CKT.	LOAD DESCRIPTION	LOAD (VA)			BREAKER	BREAKER	LOAD (VA)			LOAD DESCRIPTION	CKT.	NOTES
			A	B	C			A	B	C			
	HPL 1	FIRE SUPPRESSION SYSTEM	500			20/1	20/1	900			DRESS TABLE	2	GFCI
	HPL 3	ELECTRICAL CONTROL PACK		500		20/1	20/1		1200		HOLDING UNIT	4	GFCI
	C-ST 5	VERTICAL TOASTER			1643	20/2	20/1			1200	HOLDING UNIT	6	GFCI
	C-ST 7	-----	1643			---	20/1	900			DRAWER WARMER	8	GFCI
	9	SPARE				20/1	15/1		648		HEAT LAMP	10	HPL
	11	SPARE				20/1	20/1			900	POS SYSTEM	12	GFCI
	13	SPARE				20/1					SPACE ONLY	14	
	15	SPARE				20/1					SPACE ONLY	16	
	17	SPARE				20/1					SPACE ONLY	18	
	19	SPARE				20/1					SPACE ONLY	20	
	21	SPARE				20/1					SPACE ONLY	22	
	23	SPARE				20/1					SPACE ONLY	24	
	25	SPARE				20/1					SPACE ONLY	26	
	27	SPARE				20/1					SPACE ONLY	28	
	29	SPARE				20/1					SPACE ONLY	30	
TOTALS:			2143	500	1643			1800	1848	2100			
NOTES:													
* PROVIDE HANDLE TIES FOR ALL MULTIWIRED BRANCH CIRCUITS. SEE SPECIFICATIONS FOR OTHER OPTIONS REQUIRED.													
GFCI CIRCUIT BREAKER SHALL BE GROUND-FAULT CIRCUIT INTERRUPTING (GFCI) TYPE													
HPL CIRCUIT BREAKER SHALL HAVE HANDLE PADLOCK ATTACHMENT TO LOCK BREAKER IN OPEN POSITION													
C-# CIRCUIT SHALL BE ROUTED THROUGH CONTACTOR, # = CONTACTOR NUMBER													
PHASE A VOLT-AMPS : <u>3943</u> VA.													
PHASE B VOLT-AMPS : <u>2348</u> VA.													
PHASE C VOLT-AMPS : <u>3743</u> VA.													
TOTAL DEMAND AMPS = <u>10034</u> VOLTS-AMPS ÷ (√3 • PHASE VOLTAGE <u>208</u> VOLTS ) = <u>28</u> AMPS													

PANEL "K" SCHEDULE													
FED FROM:		PANEL UTILITY TRANSFORMER						MOUNTING:		SURFACE MOUNTED			
VOLTAGE:		120/208V, 3 PHASE, 4 WIRE						ENCLOSURE:		NEMA 1			
BUS MATERIAL:		ALUMINUM OR COPPER						FAULT CURRENT:		15093 AMPS			
BUS LOAD:		104 AMPS						AIC RATING:		22 KAIC			
BUS RATING:		225 AMPS						OPTIONS*:		BONDED AND ISOLATED GROUND BARS			
MAIN:		MAIN LUG ONLY											
NOTES	CKT.	LOAD DESCRIPTION	LOAD (VA)			BREAKER	BREAKER	LOAD (VA)			LOAD DESCRIPTION	CKT.	NOTES
			A	B	C			A	B	C			
	GFCI 1	KDS SYSTEM	900			20/1	20/1	500			HOOD CONTROL	2	
	GFCI 3	POS SYSTEM		900		20/1	20/1		500		HOOD CONTROL	4	
	HPL 5	FREEZER EVAP COIL			1352	20/2	20/1			500	LCP	6	
	7	-----	1352			----	20/1	500			SHUNT TRIP CONTACTOR	8	
	GFCI 9	OFFICE RECEP		1800		20/1					SHUNT TRIP COIL	10	ST
	GFCI 11	OFFICE RECEP			1800	20/1	20/1				SPARE	12	
	GFCI 13	TELEPHONE BOARD	360			20/1	20/1	180			GRIDDLE	14	GFCI/ C-ST
	15	SPARE				15/1	20/1		180		GRIDDLE	16	GFCI/ C-ST
	HPL 17	WALK-IN COOLER/FREEZER			600	15/1	20/1			900	STAB BOXES	18	GFCI/ C-ST
	19	RECEPT.	180			20/1	20/1	500			HWM-1	20	
	GFCI 21	SODA SYSTEM		1000		20/1	20/1		500		P-1	22	C-INT
	23	OIL TANK			1000	20/1	20/1				SPARE	24	
	25	RECEPT.	540			20/1	20/1	720			UC REFRIGERATOR	26	GFCI
	GFCI 27	PRINTER		360		20/1	15/1				SPARE	28	
	GFCI 29	POS			900	20/1	20/1				SPARE	30	
	GFCI 31	PRINTER	360			20/1	20/1	1800			HEAT TRACE	32	GFPE
	GFCI 33	KDS SYSTEM		900		20/1	20/1		360		PRINTER	34	GFCI
	GFCI 35	SMALL DUMP STATION			1080	20/1	20/1		900		POS	36	GFCI
	GFCI/ C-ST 37	FRYER BATTER CONTROLS	612			20/1	20/1	900			POS SYSTEM	38	GFCI
	GFCI 39	KDS SYSTEM		900		20/1	20/1		180		SHAKE STATION ACCESSORY	40	GFCI
	GFCI 41	SHAKE STATION ACCESSORY			600	20/1	20/1			420	SODA DISPENSER	42	GFCI
	GFCI 43	SHAKE STATION ACCESSORY	600			20/1	30/1	2400			MAIN SHAKE STATION	44	GFCI
	GFCI 45	FREEZER		1140		20/1	20/1		600		SHAKE STATION ACCESSORY	46	GFCI
	GFCI 47	FREEZER			1140	20/1	20/1			600	SHAKE STATION ACCESSORY	48	GFCI
	GFCI 49	PREP TABLE	1800			20/1	20/1				SPARE	50	
	GFCI 51	MILK DISPENSER		180		20/1	20/1				SPARE	52	
	53	SPARE				20/1	20/1				SPARE	54	
	HPL 55	COOLER EVAP COIL	1332			15/1					SPACE ONLY	56	
	57	SPARE				20/1					SPACE ONLY	58	
	59	SPARE				20/1					SPACE ONLY	60	
TOTALS:			8036	7180	8472				7500	2320	3320		
NOTES:													
* PROVIDE HANDLE TIES FOR ALL MULTIWIRE BRANCH CIRCUITS. SEE SPECIFICATIONS FOR OTHER OPTIONS REQUIRED.													
C CIRCUIT BREAKER SHALL BE GROUND-FAULT CIRCUIT INTERRUPTING (GFCI) TYPE													
GFPE CIRCUIT BREAKER SHALL BE GROUND-FAULT PROTECTION OF EQUIPMENT (GFPE) TYPE													
ST CIRCUIT BREAKER SHALL BE EQUIPPED WITH SHUNT TRIP COIL													
HPL CIRCUIT BREAKER SHALL HAVE HANDLE PADLOCK ATTACHMENT TO LOCK BREAKER IN OPEN POSITION													
C-# CIRCUIT SHALL BE ROUTED THROUGH CONTACTOR, # = CONTACTOR NUMBER													
PHASE A VOLT-AMPS : 15536 VA													
PHASE B VOLT-AMPS : 8500 VA													
PHASE C VOLT-AMPS : 11792 VA													
TOTAL DEMAND AMPS = 36828 VOLTS-AMPS + (13 * PHASE VOLTAGE 208 VOLTS) = 102 AMPS													