

DISTRIBUTION PANEL: MDP

LOCATION: ELEC 112 VOLTAGE: 208Y/120 V, 3 ø 4 W.
MAIN DEVICE: MLO A.I.C. RATING: 36,399 AMPS MINIMUM
BUS AMPS: 1000 A SPECIAL: FED FROM: UTILITY

SECTION No. 1					
CKT	DESCRIPTION/NAMEPLATE	POLES	RATING	Load	NOTES
1	PANEL LA1	3	225 A	36848 VA	
2	PANEL LA2	3	400 A	95391 VA	
3	PANEL LA3	3	100 A	24378 VA	
4	PANEL PP (FUEL PUMP)	3	100 A	28800 VA	
5	WATER HTR WH-1	3	125 A	31200 VA	
6	WATER HTR WH-2	3	125 A	31200 VA	
7	RTU-1	3	70 A	19872 VA	
8	RTU-2	3	60 A	19872 VA	
9	RTU-3	3	50 A	14112 VA	
10	SPACE	3	--	--	
11	SPACE	3	--	--	
12	TVSS	3	60 A	0 VA	

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS
FIRE ALARM	100 VA	100.00%	100 VA	
HVAC	134512 VA	100.00%	134512 VA	
LITES	3389 VA	125.00%	4236 VA	CONN. LOAD: 297 KVA
Lighting	1900 VA	125.00%	2375 VA	EST. DEMAND LOAD: 258 KVA
Motor	38700 VA	106.40%	41175 VA	CONN. CURRENT: 824.6 A
RECEPTACLES	94454 VA	55.29%	52227 VA	EST. DEMAND CURRENT: 717.5 A
Spare	28800 VA	100.00%	28800 VA	

NOTES:

PANELBOARD: PP

LOCATION: ELEC 112 VOLTAGE: 208Y/120 V, 3 ø 4 W.
MOUNTING: SURFACE NEMA1 A.I.C. RATING: 22,009 AMPS MINIMUM
MAIN DEVICE: 100.0 A MCB SPECIAL: SHUNT TRIP BREAKER
BUS AMPS: 100 AMPS FED FROM: MDP

LOAD NAME	NOTE	BKR	P	CKT	A	B	C	CKT	P	BKR	NOTE	LOAD NAME
**				1				2				**
**				3				4				**
**				5				6				**
**				7				8				**
**				9				10				**
**				11				12				**
**				13				14				**
**				15				16				**
**				17				18				**
**				19				20				**
**				21				22				**
**				23				24				**
**				25	9.6			26				**
**				27		9.6		28				**
**				29			9.6	29				**
**				30				30				**

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS
HVAC	3096 VA	100.00%	3096 VA	
RECEPTACLES	33937 VA	64.73%	21968 VA	CONNECTED LOAD: 36848 VA
FIRE ALARM	100 VA	100.00%	100 VA	ESTIMATED DEMAND: 24890 VA
				CONNECTED CURRENT: 102.3 A
				EST. DEMAND CURRENT: 69.1 A

NOTES:
30 POLE PANEL. ** BREAKERS AND FEEDERS BY FUEL PUMP VENDOR.

FOOD PREP EQUIPMENT POWER SCHEDULE

ID	DESCRIPTION	EQUIPMENT INFORMATION		CIRCUIT INFORMATION		CONDUIT & WIRE SIZE	DISC TYPE	NOTES
		VOLT	PH	MOCP	PANEL	NO.		
FS-01	HOOD LTS	120 V	1	20.0 A	LA2	12	3#12,1/2" C	CORD/PLUG 1
FS-02	PIZZA OVEN	208 V	1	45.0 A	LA2	22,24	3#6,#10G,1" C	JUNCTION BOX 1,2
FS-03	REFRIGERATOR	120 V	1	20.0 A	LA2	28	3#12,1/2" C	CORD/PLUG 1,2
FS-04	FRYER	208 V	1	85.0 A	LA2	32,34	3#4,#8G,1 1/4" C	JUNCTION BOX 1,2
FS-06	COOLER	120 V	1	20.0 A	LA2	38	3#12,1/2" C	CORD/PLUG 1
FS-07	REFRIGERATOR	120 V	1	20.0 A	LA2	40	3#12,1/2" C	CORD/PLUG 1
FS-08	FREEZER	120 V	1	20.0 A	LA2	42	3#12,1/2" C	CORD/PLUG 1

REFRESHMENTS EQUIPMENT POWER SCHEDULE

ID	DESCRIPTION	EQUIPMENT INFORMATION		CIRCUIT INFORMATION		CONDUIT & WIRE SIZE	DISC TYPE	NOTES
		VOLT	PH	MOCP	PANEL	NO.		
EQ-01	SODA DISP.	120 V	1	20.0 A	LA3	1	3#12,1/2" C	CORD/PLUG 1
EQ-02	SLUSH DISP.	208 V	1	30.0 A	LA3	3,5	4#10,1/2" C	NEMA L6-30R 1
EQ-03A	SLUSH DISP.	120 V	1	20.0 A	LA3	7	3#12,1/2" C	CORD/PLUG 1
EQ-03B	SLUSH DISP.	120 V	1	20.0 A	LA3	9	3#12,1/2" C	CORD/PLUG 1
EQ-04	COFFEE DISP.	120 V	1	20.0 A	LA3	11	3#12,1/2" C	CORD/PLUG 1
EQ-05	COFFEE DISP.	208 V	1	45.0 A	LA3	13,15	3#8,#10G,3/4" C	JUNCTION BOX 1
EQ-06	CAPPUCINO	120 V	1	20.0 A	LA3	17	3#12,1/2" C	CORD/PLUG 1
EQ-07A	SLOW COOKER	120 V	1	20.0 A	LA3	12	3#12,1/2" C	CORD/PLUG 1
EQ-07B	SLOW COOKER	120 V	1	20.0 A	LA3	12	3#12,1/2" C	CORD/PLUG 1
EQ-08	CREAMER DISP.	120 V	1	20.0 A	LA3	2	3#12,1/2" C	CORD/PLUG 1
EQ-09	CREAMER DISP.	120 V	1	20.0 A	LA3	2	3#12,1/2" C	CORD/PLUG 1
EQ-10	NACHO WARMER	120 V	1	20.0 A	LA3	6	3#12,1/2" C	CORD/PLUG 1
EQ-11	ROLLER GRILL	120 V	1	20.0 A	LA3	10	3#12,1/2" C	CORD/PLUG 1
EQ-12A	MICROWAVE	120 V	1	20.0 A	LA3	4	3#12,1/2" C	CORD/PLUG 1
EQ-12B	MICROWAVE	120 V	1	20.0 A	LA3	8	3#12,1/2" C	CORD/PLUG 1
EQ-13	PIZZA WARMER	120 V	1	20.0 A	LA3	14	3#12,1/2" C	CORD/PLUG 1

FOOD PREP AND REFRESHMENT EQUIPMENT SCHEDULE NOTES:
1. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT VENDOR PRIOR TO ROUGH-IN.
2. PROVIDE SHUNT TRIP BREAKER. (ALL ITEMS UNDER HOOD.)

PANELBOARD: LA1

LOCATION: ELEC 112 VOLTAGE: 208Y/120 V, 3 ø 4 W.
MOUNTING: SURFACE NEMA1 A.I.C. RATING: 28,600 AMPS MINIMUM
MAIN DEVICE: 225.0 A MLO SPECIAL: 100% RATED.
BUS AMPS: 225 AMPS FED FROM: MDP

LOAD NAME	NOTE	BKR	P	CKT	A	B	C	CKT	P	BKR	NOTE	LOAD NAME
FA DETECTORS				1	0.1	0.7		2				RCPTS
TELCO EQUIP				3		0.5	0.7	4				RCPTS
RCPTS				5			0.7	6				RCPTS
RCPTS				7	0.7	0.7		8				RCPTS
FLOOR RCPTS				9		0.5	0.5	10				RR RCPT
FLOOR RCPTS				11			0.5	12				RCPTS
FLOOR RCPTS				13	0.5	1.5		14				GAME MACHINE
RECEPTACLES				15		0.5	1.5	16				GAME MACHINE
FLOOR RCPTS				17			0.7	18				GAME MACHINE
FLOOR RCPTS				19	0.7	1.5		20				GAME MACHINE
FLOOR RCPTS				21			0.4	22				GAME MACHINE
SPARE				23				24				GAME MACHINE
RCPTS				25	0.7	1.5		26				GAME MACHINE
RCPTS				27		0.7	1.5	28				GAME MACHINE
RCPTS				29			0.9	30				RCPTS/EF-1,2,3,4
RCPTS				31	0.9	1.0		32				RCPTS
SPARE				33		0.0	0.4	34				RCPTS
ICE MAKER				35				36				RCPTS
DEHUMIDIFIER				37	0.5	1.0		38				RCPTS
SPARE				39		0.0	1.0	40				BUILD SIGN
SPARE				41			0.0	42				RCPTS
SPARE				43	0.0	0.4		44				RCPTS
SPARE				45		0.0	0.7	46				RCPTS
SPARE				47			0.0	48				RCPTS
HPU/ACU-1				25	49	1.5	0.0	50				SPARE
SPACE				51		1.5	0.7	52				ROOF RCPTS
SPACE				53			--	54				IT EQUIP
SPACE				55	--	0.0		56				SPARE
SPACE				57		--	0.0	58				SPARE
SPACE				59			--	60				SPARE
SPACE				61	0.0	0.0		62				SPARE
TVSS				63		0.0	0.0	64				SPARE
TVSS				65			0.0	66				SPARE

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS
HVAC	3096 VA	100.00%	3096 VA	
RECEPTACLES	33937 VA	64.73%	21968 VA	CONNECTED LOAD: 36848 VA
FIRE ALARM	100 VA	100.00%	100 VA	ESTIMATED DEMAND: 24890 VA
				CONNECTED CURRENT: 102.3 A
				EST. DEMAND CURRENT: 69.1 A

NOTES:
66 POLE PANEL. PROVIDE FEED THRU LUGS.

PANELBOARD: LA2

LOCATION: ELEC 112 VOLTAGE: 208Y/120 V, 3 ø 4 W.
MOUNTING: SURFACE NEMA1 A.I.C. RATING: 29,928 AMPS MINIMUM
MAIN DEVICE: 400.0 A MLO SPECIAL:
BUS AMPS: 400 AMPS FED FROM: MDP

LOAD NAME	NOTE	BKR	P	CKT	A	B	C	CKT	P	BKR	NOTE	LOAD NAME
COOLER COND.				1	5.0	0.4		2				FOOD PREP RCPTS
COOLER COND.				2	3		5.0	0.5	4			FOOD PREP RCPTS
COOLER EVAP.				5			2.0	0.0	6			SPARE
COOLER EVAP.				7	2.0	0.0			8			SPARE
COOLER LTS/DOOR				9			0.5	0.0	10			SPARE
COOLER COND.				11			5.0	0.2	12			FS01 HOOD LTS
COOLER COND.				13	5.0	--			14			SHUNT TRIP
COOLER EVAP.				15			2.0	--	16			SPACE
COOLER LTS/DOOR				17			2.0	--	18			SPACE
COOLER LTS/DOOR				19	0.5	--			20			SHUNT TRIP
COOLER COND.				21			5.0	3.7	22			** FS02 PIZZA OVEN
COOLER COND.				23			5.0	3.7	24	2	45 A	** FS02 PIZZA OVEN
COOLER EVAP.				25	2.0	--			26			SHUNT TRIP
COOLER EVAP.				27			2.0	0.2	28			* FS03 REFRIG.
COOLER LTS/DOOR				29			0.5	--	30			SHUNT TRIP
LIGHTING/EF-3				31	0.9	7.1			32			** FS04 FRYER
LIGHTING				33			1.4	7.1	34	2	85 A	** FS04 FRYER
EXTERIOR BLDG LTS				35			0.5	--	36			SHUNT TRIP
SPARE				37	0.0	0.2			38			* FS06 COOLER
LTG CONTACTOR				39			0.6	0.3	40			* FS07 REFRIG.
SITE LTG				41			1.0	1.0	42			* FS08 FREEZER
SITE LTG				43	1.0	1.4			44			MAJ-1
STREET SIGN				45			2.5	--	46			SHUNT TRIP
STREET SIGN				47			2.5	1.1	48			KEF-1
STREET SIGN				49	2.5	--			50			SPACE
STREET SIGN				51			2.5	2.1	52			WH-3
SPARE				53			0.0	2.1	54	2	30 A	WH-3
SPARE				55	0.0	2.1			56			WH-4
SPARE				57			0.0	2.1	58	2	30 A	WH-4
SPARE				59			0.0	2.1	60			WH-5
SPACE				61	--	2.1			62	2	30 A	WH-5
SPACE				63	--	--			64	1	--	SPACE
SPACE				65	--	--			66	1	--	SPACE

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS
HVAC	15160 VA	100.00%	15160 VA	
Motor	38700 VA	106.40%	41175 VA	CONNECTED LOAD: 94420 VA
RECEPTACLES	37568 VA	63.31		