PANEL S — LOCATION: EXTL/CNSL LOUNGE; SERVES: EXTERIOR LIGHTING; MOUNT: FLUSH; PNL VOLTAGE: 120/208, 3P, 4W; PNL AIC (RMS): 10,000 A; PANEL TYPE: NQOD; MAIN LUG ONLY: 225 A; BUS: 225 A; BOLT-IN BREAKERS; FULL SOLID NEUTRAL BUS; GROUND BUS

CKT NO	EQUIPMENT SERVED	P	TRIP	BKR A	CONNECTED VA A	CONNECTED VA B	CONNECTED VA C	BKR TRIP	P	EQUIPMENT SERVED	CKT NO
A 1	UNDER CANOPY LTG	1	20	540							2 A
A 3	UNDER CANOPY LTG	1	20	540	660			20	1	LX/ERGN ST DRG SIGNAGE	4 A
A 5	ABOVE CANOPY LTG	1	20		360	420		20	1	ABOVE CANOPY INTERIOR RECEPT.	6 A
A 7	ABOVE CANOPY INTERIOR LTG	1	20	480		360		20	1	ABOVE CANOPY INTERIOR RECEPT.	8 A
F 9	OUTSIDE RECEPTACLES	1	20	1200	360			20	1	LGTTG (T.V.R.)	10 E
F 11	BUG TRAP/COFFEE MAKER	1	20			900	1200	20	1	MONEY COUNT MACHINE	12 E
E 13	DVD KIOSK (REDBOX)	1	20	360			1200	20	1	COPY MACHINE	14 E
F 15	RECEPTACLE	1	20	1200	180			20	1	WATER VENDING MIC	16 E
E 17	ELEC. OPERATED DR. (KT. SIDE)	1	20		1000	1200		20	1	SODA VENDING MIC	18 E
E 19	ELEC. OPERATED DR. (LT. SIDE)	1	20	1200			1200	20	1	AED CHARGER	20 E
21	SPACE ONLY									SPACE ONLY	22
23											24
25											26
27											28
29											30
31											32
33											34
35											36
37											38
39											40
41											42
	CONNECTED VA				5440	5940	5215			DEMAND FACTOR: 1.00	
	TOTAL CONNECTED VA: 16595			AMPS: 41						TOTAL DEMAND AMPS: 42	

LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A LIGHTING	2818	1.25	3522
B AIR CONDITIONING	0	1.00	0
C REFRIGERATION	0	1.00	0
D KITCHEN	0	1.00	0
E MISC. EQUIPMENT	9520	1.00	9520
F RECEPTS (1st 10 KVA)	2480	1.00	2480
Remaining Receptacles	0	0.50	0
TOTAL DEMAND VA:	14598	1.06	15530

<1> VIA PUBLIX CONTACTOR TAT PCR EC, TO BLDG EQP DRIVING PCR MFGR CONTROL TYPE: 3162

<2> VIA PUBLIX CONTACTOR TAT PCR EC, TO BLDG EQP DRIVING PCR MFGR CONCEPT CONTROLLING CONTROL TYPE: 3162

PANEL MC1 — LOCATION: IN DOOR COUNTER; SERVES: MOTOR CTR & ACTN; MOUNT: SURFACE; PNL VOLTAGE: 120/208, 3P, 3W; PNL AIC (RMS): 100,000 A; PANEL TYPE: I-LINE; MAIN LUG ONLY: 1200 A; BUS: 1200 A; BOLT-IN BREAKERS; FULL SOLID NEUTRAL BUS; GROUND BUS

CKT NO	EQUIPMENT SERVED	P	TRIP	BKR A	CONNECTED VA A	CONNECTED VA B	CONNECTED VA C	BKR TRIP	P	EQUIPMENT SERVED	CKT NO
C					51360						E
1	UNIT #1	3	300		38000	31200					-
-						38000	31200	200	3	ELEC WTR HEATER HTR'S (@40A)	2 -
C					42920		38000				F
3	UNIT #2	3	400		30920	42920					-
-							9200	70	3	AUX. HEAT RECLAIM HTR'S (12KW)	4 -
5	SPACE ONLY						30920				C
7	SPACE ONLY	3							3	SPACE ONLY	6
9	SPACE ONLY	3							3	SPACE ONLY	8
11	SPACE ONLY	3							3	SPACE ONLY	10
13	SPACE ONLY	3							3	SPACE ONLY	12
									3	SPACE ONLY	14
	CONNECTED VA				99120	99120	99120			DEMAND FACTOR: 1.00	
	TOTAL CONNECTED VA: 297360			AMPS: 859						TOTAL DEMAND AMPS: 859	

LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A LIGHTING	0	1.25	0
B AIR CONDITIONING	237360	1.00	237360
C REFRIGERATION	0	1.00	0
D KITCHEN	0	1.00	0
E MISC. EQUIPMENT	54000	1.00	54000
F RECEPTS (1st 10 KVA)	0	1.00	0
Remaining Receptacles	6000	0.50	3000
TOTAL DEMAND VA:	297360	1.00	297360

PANEL 'MC1' SUPPLIED WITH MOTOR CENTER

PANEL MC2 — LOCATION: MOTOR CENTER; SERVES: MOTOR CTRS & ACTN; MOUNT: SURFACE; PNL VOLTAGE: 120/208, 3P, 3W; PNL AIC (RMS): 100,000 A; PANEL TYPE: I-LINE; MAIN LUG ONLY: 1200 A; BUS: 1200 A; BOLT-IN BREAKERS; FULL SOLID NEUTRAL BUS; GROUND BUS

CKT NO	EQUIPMENT SERVED	P	TRIP	BKR A	CONNECTED VA A	CONNECTED VA B	CONNECTED VA C	BKR TRIP	P	EQUIPMENT SERVED	CKT NO
B					29160						B
- 1	ACR1	3	300	8402	20280						-
-						9900	29306	90	3	ACR2	2 -
B				8772		8402					B
- 3	ACR3	3	100	8402	8772						-
-					9900	8772	9900	100	3	ACR4	4 -
B				8402		8402					B
- 5	ACR5	3	90	4488	8900						-
-						4488	8402	90	3	ACR6	6 -
7	SPACE ONLY	3					4488				-
9	SPACE ONLY	3							3	SPACE ONLY	8
11	SPACE ONLY	3							3	SPACE ONLY	10
13	SPACE ONLY	3							3	SPACE ONLY	12
									3	SPACE ONLY	14
	CONNECTED VA				67589	67966	67589			DEMAND FACTOR: 1.00	
	TOTAL CONNECTED VA: 202706			AMPS: 563						TOTAL DEMAND AMPS: 563	

LOAD TYPE (LT)	CONNECTED	FACTOR	DEMAND
A LIGHTING	0	1.25	0
B AIR CONDITIONING	202706	1.00	202706.66
C REFRIGERATION	0	1.00	0
D KITCHEN	0	1.00	0
E MISC. EQUIPMENT	0	1.00	0
F RECEPTS (1st 10 KVA)	0	1.00	0
Remaining Receptacles	0	0.50	0
TOTAL DEMAND VA:	202706	1.00	202706

PANEL 'MC2' SUPPLIED WITH MOTOR CENTER

NOTE:
1. ALL CIRCUIT BREAKERS TO BE ARRANGED AS INDICATED ON PANEL SCHEDULE. ANY DEVIATION MUST BE APPROVED BY THE ENGINEER.
2. IF SERIES RATING IS APPLIED, THE SERIES RATING COMBINATION INTERRUPTING RATING SHALL BE MARKED ON THE RESPECTIVE PANELBOARD PER NFPA 70, 240-86.
3. ALL PANELBOARD BUSSING, NEUTRAL/GROUND BUSSES TO BE COPPER. BRANCH MOUNTED MAIN CIRCUIT BREAKER IS NOT ALLOWED.
4. ALL LIGHTING CIRCUIT BREAKERS TO BE HID OR SWD RATED AS APPLICATION REQUIRES.
5. CONTRACTOR TO PROVIDE BREAKER HANDLE TIES FOR ALL CIRCUITS UTILIZING SHARED NEUTRAL TO COMPLY WITH NFPA 70 SECTION 210.4.
6. GROUP MOUNTING OF MULTIPLE CONTACTORS IN A SINGLE ENCLOSURE IS NOT ALLOWED.

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REVISION DATA:

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PANEL SCHEDULES

SCALE: NONE

E-17

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