NOTES	MOUNT: INT. PWR CENTER				120/208		3-PHASE, 4W	PANEL		LA		CAPACITY: 200A				INT CAP: 10 KA				NOTES
	LOCATION: RECEIVING 117							LUGS: 200A MCB				DEMAND LOAD: 109 A				AC. FAULT: 6.6 KA				
	CKT	LTG	RCPT	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	POLE	AMP	DESCRIPTION	LTG	RECP	HVAC	MISC	NP	CKT	
	L	1		180			SPRINKLER RISER BELL	20	1	A	1	20	RCPT: RECEIVING		540				2	
	L	3		900			RCPT: SPRINKLER ALARM	20	1	B	1	20	RCPT: SCRUBBER				1,200		4	
	L	5		360			RCPT: PHONE BOARD	20	1	C	1	20	RCPT: AT COLUMN		540				6	
	L	7		360			RCPT: PHONE BOARD	20	1	A	1	20	RCPT: RTU		720				8	
		9		400			DRINKING FOUNTAIN: EWC-1	20	1	B	1	20	RCPT: FUTURE FREEZ./FRIDGE		180				10	
		11		360			RCPT: RESTROOMS	20	1	C	1	20	SPARE						12	
		13					SPARE	20	1	A	1	20	SPARE						14	
	L	15				180	EMS ELECTRONICS CP-1	20	1	B	1	20	SPARE						16	
	L	17				980	EMS OUTPUTS CP-1	20	1	C	1	20	CONTACTOR COILS				180		18	E
	C	19			528		EXHAUST FAN: EF-4	20	1	A	2	30	BATTERY CHARGER				2,288		20	
	C	21	360				LTG: AQUARIUMS	20	1	B							2,288		22	
	C	23	960				LTG: FISH TANKS	20	1	C	1	20	SPARE		180				24	
		25				800	COOLER	20	1	A	1	20	EXHAUST FAN: EF-2			1,656			26	C
		27				800	COOLER	20	1	B	1	20	PUMP: RP-1				92		28	
		29				1,000	FREEZER	20	1	C	1	20	SPARE						30	
		31				1,000	FREEZER	20	1	A	1	20	SPARE						32	
		33					SPARE	20	1	B	1	20	SIGNS: SIDE - PETSMART	1,200					34	C
		35					SPARE	20	1	C	1	20	SIGNS: SIDE - PETSMART	1,200					36	C
		37				5,370	PANEL 'LB'	60	3	A	1	20	SIGNS: REAR - PETSMART	1,200					38	C
		39				4,600				B	1	20	SIGNS: FRONT - PETSMART	1,200					40	C
		41				4,408				C	1	20	SIGNS: ILLUMINATED LETTER	600					42	C

PHASE BALANCE				LOAD TYPE	CONNECTED (KVA)	DEMAND		DEMAND FORMULA	TOTAL LOAD			
				LIGHTING	6.72	8.40	KVA	LOAD X 125% NEC 210.19 CONTINUOUS	CONNECTED		DEMAND	
Φ	LOAD		%	RECEPTACLE	13.54	11.77	KVA	10 KVA + 50% REMAINDER NEC 220.44	38.63	KVA	39.22	KVA
A	14.64	KVA	37.9	HVAC	2.71	3.39	KVA	LOAD + 25% LARGEST MOTOR	107.31	A	108.94	A
B	13.40	KVA	34.7	MISC	15.66	15.66	KVA	LOAD X 100% NEC 210.19 NON-CONT.				
C	10.59	KVA	27.4	NP	0.00	0.00	KVA	0 NONCOINCIDENTAL LOADS NEC 220.60				

REQUIRED FEATURES:
A. ALUMINUM BUSSING, COPPER GROUND
B. PROVIDE WITH ISOLATED GROUND BUS

DESIGNER NOTE:
ON A PROJECT SPECIFIC BASIS WHEN THE PETSMART FIXTURE PLAN INCORPORATES A POWERED PALLET JACK AND/OR WALKIE POWER LIFT, PROVIDE A DEDICATED DUPLEX RECEPTACLE AND LABEL CIRCUIT L4-24 RCPT: PALLET JACK. UPDATE PANEL SCHEDULE LOADS AS REQUIRED.

NOTES	MOUNT: INT. PWR CENTER				277/480		3-PHASE, 4W	PANEL		HA		CAPACITY: 100A				INT CAP: 65 KA				NOTES
	LOCATION: RECEIVING 117							LUGS:		MLO		DEMAND LOAD: 52 A				AC. FAULT: 16.1 KA				
	CKT	LTG	RCPT	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	POLE	AMP	DESCRIPTION	LTG	RCPT	HVAC	MISC	NP	CKT	
	CL	1	2,556				LTG: SALES AREA	20	1	A	1	20	LTG: OFFICE/SUPPORT	868					2	CL
	CL	3	2,045				LTG: SALES AREA	20	1	B	1	20	LTG: RESTROOM/SUPPORT	858					4	CL
	CL	5	1,758				LTG: SALES AREA	20	1	C	1	20	LTG: EMERGENCY/NIGHT	234					6	L
	CL	7	1,461				LTG: SALES AREA	20	1	A	1	20	LTG: ADOPTIONS	156					8	CL
	C	9	666				LTG: RECEIVING	20	1	B	1	20	SPARE						10	
	L	11	187				LTG: EMERGENCY/NIGHT	20	1	C	1	20	LTG: EXTERIOR	869					12	C
		13					SPARE	20	1	A	1	20	SPARE						14	
		15					SPARE	20	1	B	1	20	SPARE						16	
		17					SPARE	20	1	C	1	20	SPARE						18	
		19					SPARE	15	3	A	3	25	WATER HEATER: WH-1					4,487	20	
		21								B								4,487	22	
		23								C								4,487	24	
		25				700	DOCK LEVELER	15	3	A	3	25	WATER HEATER: WH-2					4,487	26	
		27				700				B								4,487	28	
		29				700				C								4,487	30	

PHASE BALANCE				LOAD TYPE	CONNECTED (KVA)	DEMAND		DEMAND FORMULA	TOTAL LOAD			
				LIGHTING	11.66	14.57	KVA	LOAD X 125% NEC 210.19 CONTINUOUS	CONNECTED		DEMAND	
Φ	LOAD		%	RECEPTACLE	0.00	0.00	KVA	10 KVA + 50% REMAINDER NEC 220.44	40.68	KVA	43.59	KVA
A	14.72	KVA	36.2	HVAC	0.00	0.00	KVA	LOAD + 25% LARGEST MOTOR	48.95	A	52.46	A
B	13.24	KVA	32.6	MISC	29.02	29.02	KVA	LOAD X 100% NEC 210.19 NON-CONT.				
C	12.72	KVA	31.3	NP	0.00	0.00	KVA	0 NONCOINCIDENTAL LOADS NEC 220.60				

REQUIRED FEATURES:
A. ALUMINUM BUSSING, COPPER GROUND
B. ALL CIRCUITS WITH EMERGENCY LIGHTING INCLUDED, EC SHALL PROVIDE CONSTANT HOT WIRE FOR ASSOCIATED EM LIGHT FIXTURES
C. FURNISH WITH SERIES RATING LABEL

DESIGNER NOTE:
LOCATION FOR 15A/3P BREAKER (480V/3P) & APPROX. LOAD OF 3.2 AMPS FOR BOOSTER PUMP WHEN PLUMBING DETERMINES THE PUMP IS REQUIRED FOR LOCATIONS WITH LOW WATER PRESSURE. COORDINATE W/ PLUMBING DWGS.

DESIGNER NOTE:
ON A PROJECT SPECIFIC BASIS, VERIFY IF BOOSTER PUMP IS REQUIRED. IF NEEDED, PROVIDE ELECTRICAL CONNECTION AND CIRCUITING AS REQUIRED. COORDINATE WITH PLUMBING CONTRACTOR.

DESIGNER NOTE:
PERFORM FAULT CURRENT CALCULATIONS AND VERIFY IF SERIES RATING CAN BE ELIMINATED FOR PANEL HA.

DESIGNER NOTE:
ADD NOTIFICATION FOR CONTRACTOR TO CONFIRM EXACT POWER REQUIREMENTS WITH MECH EQUIP. SHOP DRAWINGS AND/OR NAMEPLATE DATA. PRIOR TO ORDERING NATIONAL ACCOUNTS VENDOR ELECTRICAL DISTRIBUTION EQUIPMENT.

NOTES	MOUNT: INT. PWR CENTER				277/480		3-PHASE, 4W	PANEL		MDP		CAPACITY: 400A				INT CAP: 65 KA				NOTES
	LOCATION: RECEIVING 117							LUGS: 400A MCB				DEMAND LOAD: 257 A				AC. FAULT: 17.8 KA				
	CKT	LTG	RCPT	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	POLE	AMP	DESCRIPTION	LTG	RECP	HVAC	MISC	NP	CKT	
				3,379						A						2,992				
	H	1		3,379			RTU-1 (6 TONS)	20	3	B	3	15	RTU-2 (4 TONS)			2,992			2	H
				3,379						C						2,992				
				3,213						A						6,260				
	H	3		3,213			RTU-3 (5 TONS)	20	3	B	3	30	RTU-4 (10 TONS)			6,260			4	H
				3,213						C						6,260				
				3,213						A						6,260				
	H	5		3,213			RTU-5 (5 TONS)	15	3	B	3	30	RTU-6 (10 TONS)			6,260			6	H
				3,213						C						6,260				
				6,260						A						3,379				
	H	7		6,260			RTU-7 (10 TONS)	30	3	B	3	20	RTU-8 (6 TONS)			3,379			8	H
				6,260						C						3,379				
		9					SPACE	--	--	A			SPACE						10	
										B										
										C										
		11					SPACE	--	--	A			PANEL 'HA'					14715		
										B	3	100						13243	12	
										C								12722		
		13				28,592	XFMR:T1-LA, LDP RELATED 150 KVA LOAD 80 KVA	225	3	A			VERIS WATT TRANSDUCER (VWT)/ PHASE LOSS MON (PLM)				50			
						28,880				B	3	15					50		14	
						22,378				C							50			
		15					400A FRAME MOBILE GEN BREAKER W/ MECH INTERLOCK & AUX. SW	400	3	A			DEDICATED SPACE							
										B	3	--							16	
										C										

PHASE BALANCE				LOAD TYPE	CONNECTED (KVA)	DEMAND		DEMAND FORMULA	TOTAL LOAD			
				LIGHTING	18.38	22.97	KVA	LOAD X 125% NEC 210.19 CONTINUOUS	CONNECTED		DEMAND	
Φ	LOAD		%	RECEPTACLE	45.32	27.66	KVA	10 KVA + 50% REMAINDER NEC 220.44	225.50	KVA	213.96	KVA
A	78.31	KVA	34.7	HVAC	111.76	113.28	KVA	LOAD + 25% LARGEST MOTOR	271.36	A	257.48	A
B	77.13	KVA	34.2	MISC	50.05	50.05	KVA	LOAD X 100% NEC 210.19 NON-CONT.				
C	70.11	KVA	31.1	NP	0.00	0.00	KVA	0 NONCOINCIDENTAL LOADS NEC 220.60				

REQUIRED FEATURES:
A. ALUMINUM BUSSING, COPPER GROUND
B. SERVICE ENTRANCE RATED
C. M.C.B. TO BE PROVIDED WITH MECHANICAL KIRK-KEY INTERLOCKED WITH MOBILE GENERATOR BREAKER
D. BREAKERS FOR RTU'S ARE TO BE 'HACR' RATED. CONFIRM POWER REQUIREMENTS W/ MECHANICAL EQUIPMENT SHOP DRAWINGS PRIOR TO ORDERING INTEGRATED POWER CENTER

NOTES	MOUNT: FLUSH				120/208		3-PHASE, 4W	PANEL		GA		CAPACITY: 125A				INT CAP: 10 KA				NOTES
	LOCATION: DRYING AREA 115							LUGS:		MLO		DEMAND LOAD: 39 A				AC. FAULT: 2.8 KA				
	CKT	LTG	RCPT	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	POLE	AMP	DESCRIPTION	LTG	RCPT	HVAC	MISC	NP	CKT	
	G	1	1,260				RCPT: DRYER	20	1	A	1	20	RCPT: SALON		720				2	
	G	3	1,260				RCPT: DRYER	20	1	B	1	20	RCPT: SALON		720				4	
	G	5	1,260				RCPT: DRYER	20	1	C	1	20	RCPT: SALON		720				6	
	G	7	1,260				RCPT: DRYER	20	1	A	1	20	RCPT: SALON		720				8	
	G	9	1,260				RCPT: DRYER	20	1	B	1	20	RCPT: SALON		720				10	
	G	11	360				RCPT: STAND DRYER	20	1	C	1	20	RCPT: SALON		720				12	
	G	13	1,260				MASTER BLASTER DRYER	30	1	A	1	20	RCPT: SALON		720				14	
	G	15	1,260				MASTER BLASTER DRYER	30	1	B	1	20	RCPT: SALON		720				16	
		17	120				BUZZER/HORN	20	1	C	1	20	RCPT: SALON		720				18	
		19					SPARE	20	1	A	1	20	RCPT: SALON		720				20	
		21					SPARE	20	1	B	1	20	IG RCPT: SALON CHECK-IN		360				22	
		23					SPARE	20	1	C	1	20	IG RCPT: SALON CHECK-IN		360				24	
		25					SPARE	20	1	A	1	20	IG RCPT: SALON CHECK-IN		360				26	
		27					SPARE	20	1	B	1	20	RCPT: SALON CHECK-IN		720				28	
		29					SPARE	20	1	C	1	20	SPARE						30	

PHASE BALANCE				LOAD TYPE	CONNECTED (KVA)	DEMAND		DEMAND FORMULA	TOTAL LOAD			
				LIGHTING	0.00	0.00	KVA	LOAD X 125% NEC 210.19 CONTINUOUS	CONNECTED		DEMAND	
Φ	LOAD		%	RECEPTACLE	18.30	14.15	KVA	10 KVA + 50% REMAINDER NEC 220.44	18.30	KVA	14.15	KVA
A	7.02	KVA	38.4	HVAC	0.00	0.00	KVA	LOAD + 25% LARGEST MOTOR	50.83	A	39.31	A
B	7.02	KVA	38.4	MISC	0.00	0.00	KVA	LOAD X 100% NEC 210.19 NON-CONT.				
C	4.26	KVA	23.3	NP	0.00	0.00	KVA	0 NONCOINCIDENTAL LOADS NEC 220.60				

REQUIRED FEATURES:
A. ALUMINUM BUSSING, COPPER GROUND
B. PROVIDE WITH ISOLATED GROUND BUS

NOTES	MOUNT: FLUSH				120/208		3-PHASE, 4W	PANEL		LB		CAPACITY: 60A				INT CAP: 10 KA				NOTES
	LOCATION: MANAGER/VAULT 104							LUGS:		MLO		DEMAND LOAD: 40 A				AC. FAULT: 1.8 KA				
	CKT	LTG	RCPT	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	POLE	AMP	DESCRIPTION	LTG	RCPT	HVAC	MISC	NP	CKT	
	L	1	180				IG RCPT: CHECK-OUT #1	1	20	A	1	20	RCPT: CHECK-OUTS		900				2	
	L	3	180				IG RCPT: CHECK-OUT #2	1	20	B	1	20	RCPT: CHECK-OUT AREA		360				4	
	L	5	180				IG RCPT: CHECK-OUT #3	1	20	C	1	20	RCPT: TAG MACHINE		180				6	
		7			1,200		AUTOMATIC DOOR	1	20	A	1	20	RCPT: BIRD DETERRENT		500				8	
	L	9	180				RCPT: SECURITY CIRCUIT	1	20	B	1	20	SODA COOLER				540		10	
	L	11	720				IG: SERVER COMP/COPY	1	20	C	1	20	QUEUE LINE FREEZER				540		12	
	L	13	400				RCPT: MUSIC EQUIP. RACK	1	20	A	1	20	RCPT: RTU		720				14	
		15	1,080				RPT: COM/COPY,MGR/VAULT	1	20	B	1	20	RCPT: EXTERIOR BUILDING		360				16	
		17	540				IG: COMP/COPY,MGR/VAULT	1	20	C	1	20	SPARE						18	
		19	360				IG QUAD: MANAGER/VAULT	1	20	A	1	20	SPARE						20	
		21	360				RCPT: BOPIS CLOSET	1	20	B	1	20	SPARE						22	
		23	180				RCPT: ASSOC. RESOURCE	1	20	C	1	20	EXHAUST FAN: EF-1			528			24	C
		25	540				RCPT: ASSOC. RESOURCE	1	20	A	1	20	RCPT: ASSOC.RES. FRIDGE				570		26	
		27	540				RCPT: ASSOC. RESOURCE	1	20	B	1	20	RCPT: ASSOC.RES. VENDING				1,000		28	G
		29	540				RCPT: ASSOC. RESOURCE	1	20	C	1	20	RCPT: ASSOC.RES. VENDING				1,000		30	G

PHASE BALANCE				LOAD TYPE	CONNECTED (KVA)	DEMAND		DEMAND FORMULA	TOTAL LOAD			
				LIGHTING	0.00	0.00	KVA	LOAD X 125% NEC 210.19 CONTINUOUS	CONNECTED		DEMAND	
Φ	LOAD		%	RECEPTACLE	9.00	9.00	KVA	10 KVA + 50% REMAINDER NEC 220.44	14.38	KVA	14.51	KVA
A	5.37	KVA	37.3	HVAC	0.53	0.66	KVA	LOAD + 25% LARGEST MOTOR	39.94	A	40.31	A
B	4.60	KVA	32.0	MISC	4.85	4.85	KVA	LOAD X 100% NEC 210.19 NON-CONT.				
C	4.41	KVA	30.7	NP	0.00	0.00	KVA	0 NONCOINCIDENTAL LOADS NEC 220.60				

REQUIRED FEATURES:
A. ALUMINUM BUSSING, COPPER GROUND
B. PROVIDE WITH ISOLATED GROUND BUS

NOTES	MOUNT: INT. PWR. CENTER				120/208		3-PHASE, 4W	PANEL		LDP		CAPACITY: 350A				INT CAP: 10 KA				NOTES
	LOCATION: RECEIVING 117							LUGS: 350A MCB				DEMAND LOAD: 87 A				AC. FAULT: 7.2 KA				
	CKT	LTG	RCPT	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	POLE	AMP	DESCRIPTION	LTG	RCPT	HVAC	MISC	NP	CKT	
		1				7020	PANEL 'GA'	125	3	A	3	200	PANEL 'FC'					6930	2	
		3				7020				B								8460	4	
		5				4260				C								7530	6	
		7					SPACE	--	1	A	1	--	SPACE						8	
		9					SPACE	--	1	B	1	--	SPACE						10	
		11					SPACE	--	1	C	1	--	SPACE						12	
		13					SPACE	--	1	A	1	--	SPACE						14	
		15					SPACE	--	1	B	1	--	SPACE						16	
		17					SPACE	--	1	C	1	--	SPACE						18	
		19					SPACE	--	1	A	1	--	SPACE						20	
		21					SPACE	--	1	B	1	--	SPACE						22	
		23					SPACE	--	1	C	1	--	SPACE						24	
		25					SPACE	--	1	A	1	--	SPACE						26	
		27					SPACE	--	1	B	1	--	SPACE						28	
		29					SPACE	--	1	C	1	--	SPACE						30	

PHASE BALANCE				LOAD TYPE	CONNECTED (KVA)	DEMAND		DEMAND FORMULA	TOTAL LOAD			
				LIGHTING	0.00	0.00	KVA	LOAD X 125% NEC 210.19 CONTINUOUS	CONNECTED		DEMAND	
Φ	LOAD		%	RECEPTACLE	31.78	20.89	KVA	10 KVA + 50% REMAINDER NEC 220.44	41.18	KVA	31.33	KVA
A	13.95	KVA	33.9	HVAC	4.18	5.22	KVA	LOAD + 25% LARGEST MOTOR	114.38	A	87.03	A
B	15.48	KVA	37.6	MISC	5.22	5.22	KVA	LOAD X 100% NEC 210.19 NON-CONT.				
C	11.79	KVA	28.6	NP	0.00	0.00	KVA	0 NONCOINCIDENTAL LOADS NEC 220.60				

REQUIRED FEATURES:
A. ALUMINUM BUSSING, COPPER GROUND
B. PROVIDE WITH ISOLATED GROUND BUS
C. PROVIDE WITH SUB-FEED BREAKER

NOTES	MOUNT: FLUSH				120/208		3-PHASE, 4W	PANEL		FC		CAPACITY: 200A				INT CAP: 10 KA				NOTES
	LOCATION: HOLDING ROOM 122							LUGS:		MLO		DEMAND LOAD: 66 A				AC. FAULT: 4.5 KA				
	CKT	LTG	RCPT	HVAC	MISC	NP	DESCRIPTION	AMP	POLE	Φ	POLE	AMP	DESCRIPTION	LTG	RECP	HVAC	MISC	NP	CKT	
		1	180				RCPT: FISH PREP	20	1	A	1	20	SPARE						2	
		3			540		RCPT: FISH PREP - FRIDGE	20	1	B	1	20	SPARE						4	
		5	360				RCPT: FISH EQUIPMENT	20	1	C	1	20	EXHAUST FAN: EF-3			1,176			6	C
		7			1,200		RCPT: FISH EQUIP - FREEZER	20	1	A	1	20	SPARE						8	
		9			1,920		PD: LARGE AQUARIUMS	20	1	B	1	20	SPARE						10	
		11			360		PD: HABITAT - RIGID	20	1	C	1	20	SPARE						12	
		13			480		PD: HABITAT - RIGID	20	1	A	1	20	SPARE						14	
		15			360		PD: HABITAT - RIGID	20	1	B	2	20	ELECTRIC UNIT HEATER EUH-1			750			16	
		17			180		PD: HABITAT - RIGID	20	1	C						750			18	
		19			180		PD: HABITAT - RIGID	20	1	A	2	20	ELECTRIC UNIT HEATER EUH-2			750			20	
		21					SPARE	20	1	B						750			22	
	G	23	1,200				RCPT: FISH EQUIPMENT	20	1	C	1	20	SPARE						24	
	G	25	1,200				RCPT: FISH EQUIPMENT	20	1	A	1	20	SPARE						26	
	G	27	1,200				RCPT: FISH EQUIPMENT	20	1	B	1	20	SPARE						28	
	G	29	1,200				RCPT: FISH EQUIPMENT	20	1	C	1	20	RCPT: ADOPTION		360				30	
	G	31	1,200				RCPT: FISH EQUIPMENT	20	1	A	1	20	RCPT: HOLDING ROOM #1		540				32	
	G	33	1,200				RCPT: FISH EQUIPMENT	20	1	B	1	20	RCPT: HOLDING ROOM #2		540				34	
	G	35	1,200				RCPT: FISH EQUIPMENT	20	1	C	1	20	MOTOR DAMPERS MD-1,2			44			36	
	G	37	1,200				RCPT: FISH EQUIPMENT	20	1	A	1	--	SPACE						38	
	G	39	1,200				RCPT: FISH EQUIPMENT	20	1	B	1	--	SPACE						40	
	G	41	700				RCPT: TURTLE EQUIPMENT	20	1	C	1	--	SPACE						42	

PHASE BALANCE				LOAD TYPE	CONNECTED (KVA)	DEMAND		DEMAND FORMULA	TOTAL LOAD			
				LIGHTING	0.00	0.00	KVA	LOAD X 125% NEC 210.19 CONTINUOUS	CONNECTED		DEMAND	
Φ	LOAD		%	RECEPTACLE	13.48	13.48	KVA	10 KVA + 50% REMAINDER NEC 220.44	22.88	KVA	23.92	KVA
A	6.93	KVA	30.3	HVAC	4.18	5.22	KVA	LOAD + 25% LARGEST MOTOR	63.54	A	66.44	A
B	8.46	KVA	37.0	MISC	5.22	5.22	KVA	LOAD X 100% NEC 210.19 NON-CONT.				
C	7.53	KVA	32.9	NP	0.00	0.00	KVA	0 NONCOINCIDENTAL LOADS NEC 220.60				

REQUIRED FEATURES:
A. ALUMINUM BUSSING, COPPER GROUND
B. PROVIDE WITH ISOLATED GROUND BUS

PANEL BREAKER NOTES

L	PROVIDE BREAKER WITH HANDLE "LOCK-ON" DEVICE
C	CIRCUIT THRU CONTACTOR PANEL FOR ENERGY MANAGEMENT CONTROL - SEE SHEET EM2
G	G.F.C.I. CIRCUIT BREAKER
E	EMS LIGHTING CONTACTOR COIL POWER
H	CIRCUIT BREAKER SHALL BE HACR RATED
GF	30ma GFP CIRCUIT BREAKER

GENERAL NOTE

ELECTRICAL CONTRACTOR SHALL EITHER PROVIDE MULTI-POLE CIRCUIT BREAKERS OR UL LISTED HANDLE TIES FOR ALL CIRCUIT BREAKERS IN PANELBOARDS WITH MULTI-WIRE CIRCUITS, PER SECTION 210.4(B), IN ACCORDANCE WITH 2008 N.E.C. & LATER. ELECTRICAL CONTRACTOR SHALL EXECUTE MEANS & METHODS IN ACCORDANCE WITH APPLICABLE SECTION(S) OF N.E.C. & THE LOCAL AUTHORITY HAVING JURISDICTION.

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	LOAD	VOLT/ PHASE	FEED	FLA	MCA	PANEL MDCP	LOCAL NFS	DUCT SMOKE DETECTOR
RTU-1	ROOF TOP UNIT	10,138	480/3	MDP	12.2	15.0	20	30	REQUIRED - NOTE 1
RTU-2	ROOF TOP UNIT	8,975	480/3	MDP	10.8	13.0	15	30	REQUIRED - NOTE 1
RTU-3	ROOF TOP UNIT	9,640	480/3	MDP	11.6	14.0	15	30	REQUIRED - NOTE 1
RTU-4	ROOF TOP UNIT	18,781	480/3	MDP	22.6	25.0	30	30	REQUIRED - NOTE 1
RTU-5	ROOF TOP UNIT	9,640	480/3	MDP	11.6	14.0	15	30	REQUIRED - NOTE 1
RTU-6	ROOF TOP UNIT	18,781	480/3	MDP	22.6	25.0	30	30	REQUIRED - NOTE 1
RTU-7	ROOF TOP UNIT	18,781	480/3	MDP	22.6	25.0	30	30	REQUIRED - NOTE 1
RTU-8	ROOF TOP UNIT	10,138	480/3	MDP	12.2	15.0	20	30	REQUIRED - NOTE 1
WH-1	WATER HEATER	13,462	480/3	HA	16.2	20.3	25	30	NOT APPLICABLE
WH-2	WATER HEATER	13,462	480/3	HA	16.2	20.3	25	30	NOT APPLICABLE

MECHANICAL EQUIPMENT GENERAL NOTES:
1. PROVIDE NON-FUSED LOCAL DISCONNECT SWITCH RATED AT 14 kAIC. CONDUIT SHALL PENETRATE ROOF INSIDE CURB. ALL CONDUITS FOR POWER AND CONTROL WIIRING MUST BE RUN INSIDE THE ROOF CUR