

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: 105 A					AC. FAULT: 6.6 KA								
	CKT	LTG	RCPT	HVAC	MISC	NP	DESCRIPTION	AMPPOL	Φ	POL	AMP	DESCRIPTION	LTG	RCPT	HVAC	MISC	NP	CKT						
F	1	180					SPRINKLER RISER BELL	20	1	A	1	20	RCPT: RECEIVING						2					
L	3	900					RCPT: SPRINKLER ALARM	20	1	B	1	20	RCPT: SCRUBBER			540		1,200	4					
L	5	360					RCPT: TMB	20	1	C	1	20	RCPT: AT COLUMN			540			6					
L	7	360					RCPT: TMB	20	1	A	1	20	RCPT: RTU			720			8					
	9	400					DRINKING FOUNTAIN: EWC-1	20	1	B	1	20	SPARE						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 OUTRITS CP-1	20	1	C	1	20	CONTACTOR COILS				180		18					
C	19			528			EXHAUST FAN: EF-4	20	1	A	2	25	BATTERY CHARGER					1,810	20					
C	21	360					LTG: AQUARIUMS	20	1	B	2	25	SPARE					1,810	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					
27				800			COOLER	20	1	B	1	20	PUMP: RPT-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					
35							SPARE	20	1	C	1	20	SIGNS: SIDE - PETSMART			1,200			36					
37						4,650	PANEL 'LB'	60	3	A	1	20	SIGNS: REAR - PETSMART			1,200			38					
39					4,420	SIGNS: FRONT - PETSMART									1,200			40						
41					4,768	SIGNS: ILLUMINATED LETTER									600			42						
PHASE BALANCE						LOAD TYPE	CONNECTED (KVA)	DEMAND		DEMAND FORMULA		TOTAL LOAD												
Φ	LOAD		%		RECEPTACLE	13.36		11.68		KVA		LOAD X 125% NEC 210.19 CONTINUOUS		CONNECTED		DEMAND								
A	13.44	KVA	36.4		HVAC	2.71		3.39		KVA		10 KVA + 50% REMAINDER NEC 220.44		36.95		KVA		37.63	KVA					
B	12.56	KVA	34.0		MISC	14.16		14.16		KVA		LOAD X 100% NEC 210.19 NON-CONT.		102.65		KVA		104.53	KVA					
C	10.95	KVA	29.6		NP	0.00		0.00		KVA		0 NONCOINCIDENTAL LOADS NEC 220.60												
REQUIRED FEATURES: A. ALUMINUM BLESSING; COPPER GROUND B. PROVIDE WITH EXISTING POUND BUS C. DESIGNER NOTE: SPECIFIC BASIS D. SPECIFIC BASIS E. SPECIFIC BASIS F. SPECIFIC BASIS G. SPECIFIC BASIS H. SPECIFIC BASIS I. SPECIFIC BASIS J. SPECIFIC BASIS K. SPECIFIC BASIS L. SPECIFIC BASIS M. SPECIFIC BASIS N. SPECIFIC BASIS O. SPECIFIC BASIS P. SPECIFIC BASIS Q. SPECIFIC BASIS R. SPECIFIC BASIS S. SPECIFIC BASIS T. SPECIFIC BASIS U. SPECIFIC BASIS V. SPECIFIC BASIS W. SPECIFIC BASIS X. SPECIFIC BASIS Y. SPECIFIC BASIS Z. SPECIFIC BASIS AA. SPECIFIC BASIS AB. SPECIFIC BASIS AC. SPECIFIC BASIS AD. SPECIFIC BASIS AE. SPECIFIC BASIS AF. SPECIFIC BASIS AG. SPECIFIC BASIS AH. SPECIFIC BASIS AI. SPECIFIC BASIS AJ. SPECIFIC BASIS AK. SPECIFIC BASIS AL. SPECIFIC BASIS AM. SPECIFIC BASIS AN. SPECIFIC BASIS AO. SPECIFIC BASIS AP. SPECIFIC BASIS AQ. SPECIFIC BASIS AR. SPECIFIC BASIS AS. SPECIFIC BASIS AT. SPECIFIC BASIS AU. SPECIFIC BASIS AV. SPECIFIC BASIS AW. SPECIFIC BASIS AX. SPECIFIC BASIS AY. 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REQUIRED FEATURES:
A. ALUMINUM BUSSING, COPPER GROUND
B. PROVIDE WITH ISOLATED GROUND BUS

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

CHARGER UPDATE:
25A 2 POLE 1810 VA PER PHASE

MOUNT: INT. PWR CENTER										277/480		3-PHASE, 4W		PANEL		HA		CAPACITY: 100A					INT CAP: 65 KA											
NOTES	LOCATION: RECEIVING 117										LGUGS:		MLO		DEMAND LOAD: 52 A					AC. FAULT: 16.1 KA					NOTES									
	CKT	LTG	RCPT	HVAC	MISC	NP	DESCRIPTION		AMPP	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								2												
CL	3	2,045					LTG: SALES AREA		20	1	B	1	20	LTG: RESTROOM/SUPPORT				858				4												
CL	5	1,608					LTG: SALES AREA		20	1	C	1	20	LTG: EMERGENCY/NIGHT				234				6												
CL	7	1,539					LTG: SALES AREA		20	1	A	1	20	LTG: ADOPTIONS				156				8												
C	9	777					LTG: RECEIVING		20	1	B	1	20	SPARE								10												
L	11	187					LTG: EMERGENCY/NIGHT		20	1	C	1	20	LTG: EXTERIOR				318				12												
	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	3															4,487	22								
	23								C	3															4,487	24								
	25					700	DOCK LEVELER		15	3	B	3	25	WATER HEATER: WH-2								4,487	26											
	27					700				C	3														4,487	28								
	29					700																			4,487	30								
PHASE BALANCE										LOAD TYPE		CONNECTED (KVA)		DEMAND		DEMAND FORMULA					TOTAL LOAD													
										LIGHTING		11.11		13.89		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					40.13		42.91		KVA			
A										14.76		KVA		36.8		HVAC		0.00		0.00		KVA		LOAD + 25% LARGEST MOTOR										
B										13.35		KVA		33.3		MISC		29.02		29.02		KVA		LOAD X 100% NEC 210.19 NON-CONT.										
C										12.02		KVA		30.0		NP		0.00		0.00		KVA		0 NONCOINCIDENTAL LOADS NEC 220.60										
REQUIRED FEATURES:																																		
A. ALUMINUM BUSSING, COPPER GROUNDING																																		
B. ALL CIRCUITS WITH EMERGENCY LIGHTING INCLUDED, EC SHALL PROVIDE CONSTANT HOT WIRE FOR ASSOCIATED EM LIGHT FIXTURES																																		

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 (800V/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 REQUIRED. IF REQUIRED, PROVIDE ELECTRICAL CONNECTION AND CIRCUITING AS REQUIRED. COORDINATE WITH PL