

NOTES	MOUNT: INT. PWR CENTER						120/208	3-PHASE, 4W		PANEL		LA	CAPACITY: 200A			INT CAP: 10 KA			NOTES		
	LOCATION: RECEIVING 117						LUGS		200A		DEMAND LOAD: 98 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			360			2		
L 3	900						RCPT: SPRINKLER ALARM	20	1	B	1	20	RCPT: SCRUBBER				1,200		4		
L 5	360						RCPT: TMB	20	1	C	1	20	RCPT: AT COLUMN			360			6		
L 7	360						RCPT: TMB	20	1	A	1	20	RCPT: RTU			900			8		
L 9	400						DRINKING FOUNTAIN: EDF-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 OUTPUTS 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	180						LTG: AQUARIUMS	20	1	B	2	25					1,810		22		
C 23	960						LTG: FISH TANKS	20	1	C	1	20	SPARE						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: RP-1				92		28		
29				1,000			FREEZER	20	1	C	1	20	SPARE						30		
31				1,000			FREEZER	20	1	A	1	20	SIGN: SIDE - PETS/SMART			600			32		
33							SPARE	20	1	B	1	20	SIGN: SIDE - PETS/SMART			600			34		
35							SPARE	20	1	C	1	20	SIGN: REAR - PETS/SMART			600			36		
37				4,650			SPARE			A	1	20	SIGN: FRONT - VETERINARIAN			600			38		
39				4,060			PANEL 'LB'	60	3	B	1	20	SIGNS: FRONT WALL LETTERS			600			40		
41				4,048						C	1	20	SIGN: FRONT - PETS/SMART			1,200			42		
PHASE BALANCE						LOAD TYPE	CONNECTED (KVA)	DEMAND	DEMAND FORMULA					TOTAL LOAD							
						LIGHTING	5.34	6.68	KVA	LOAD X 125% NEC 210.19 CONTINUOUS					CONNECTED	DEMAND					
Φ						LOAD	% RECEPTACLE	12.10	11.05	KVA	10 KVA + 50% REMAINDER NEC 220.44					34.31	KVA	35.28	KVA		
A						13.44	KVA	39.2	HVAC	2.71	3.39	KVA	LOAD + 25% LARGEST MOTOR					95.32	KVA	97.99	KVA
B						10.82	KVA	31.5	MISC	14.16	14.16	KVA	LOAD X 100% NEC 210.19 NON-CONT.								
C						10.05	KVA	29.3	NP	0.00	0.00	KVA	D 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		GA		CAPACITY: 125A		INT CAP: 10 KA				NOTES			
	LOCATION: DRYING AREA 115						LUGS		MLO		DEMAND LOAD: 41 A				AC. FAULT: 2.8 KA								
	CKT	LTG	RCPT	HVAC	MISC	NP	DESCRIPTION	AMPP	Φ	POLE	AMP	DESCRIPTION	LTG	RCPT	HVAC	MISC	NP	CKT					
G 1	1	1,260					RCPT: DRYER	15	1	A	1	20	RCPT: SALON		720				2				
G 3	3	1,260					RCPT: DRYER	15	1	B	1	20	RCPT: SALON		720				4				
G 5	5	1,260					RCPT: DRYER	15	1	C	1	20	RCPT: SALON		720				6				
G 7	7	1,260					RCPT: DRYER	15	1	A	1	20	RCPT: SALON		720				8				
G 9	9	1,260					RCPT: DRYER	15	1	B	1	20	RCPT: SALON		720				10				
G 11	11	1,260					RCPT: DRYER	20	1	C	1	20	RCPT: SALON		720				12				
G 13	13	1,260					MASTER BLASTER DRYER	20	1	A	1	20	RCPT: SALON		720				14				
G 15	15	1,260					MASTER BLASTER DRYER	20	1	B	1	20	RCPT: SALON		720				16				
G 17	17	360					RCPT: STAND DRYER	20	1	C	1	20	RCPT: SALON		720				18				
	19	120					BUZZER/HORN	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	0.00	KVA	LOAD X 125% NEC 210.19 CONTINUOUS						CONNECTED	DEMAND					
Φ						LOAD	%	RECEPTACLE	19.56	14.78	14.78	KVA	10 KVA + 50% REMAINDER NEC 220.44						19.56	KVA	14.78	KVA	
A						7.14	KVA	36.5	HVAC	0.00	0.00	0.00	KVA	LOAD + 25% LARGEST MOTOR						54.33	A	41.06	A
C						7.02	KVA	35.9	MISC	0.00	0.00	0.00	KVA	LOAD X 100% NEC 210.19 NON-CONT.									
E						5.40	KVA	27.6	NP	0.00	0.00	0.00	KVA	D 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: 213 A				AC. FAULT: 7.2 KA										
CKT	LTG	RCPT	HVAC	MISC	NP	DESCRIPTION	AMPP	POLE	Φ	POLE	AMP	DESCRIPTION	LTG	RCPT	HVAC	MISC	NP	CKT							
1					7140													6930	2						
3					7020	PANEL 'GA'	125	3	B	3	200	PANEL 'FC'						7740	4						
5					5400													8080	6						
7					17,892			1	A	1	--	SPACE						9							
9					15,624	PANEL 'VA'	175	1	B	1	--	SPACE						10							
11					17,472			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		0.18		0.23		KVA				LOAD X 125% NEC 210.19 CONTINUOUS									
Φ						LOAD		% RECEPTACLE		47.66		28.83		KVA				10 KVA + 50% REMAINDER NEC 220.44							
A						31.96		KVA		33.9		HVAC		7.49		8.53		KVA				LOAD + 25% LARGEST MOTOR			
B						30.38		KVA		32.2		MISC		38.93		38.93		KVA				LOAD X 100% NEC 210.19 NON-CONT.			
C						31.96		KVA		33.9		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																									
C. PROVIDE WITH SUB-FEED BREAKER																									