

MOUNT: SURFACE						120/208	3-PHASE, 4W	EX PANEL		MDP	CAPACITY: 1,200A		INT CAP: EXISTING							
LOCATION: ELECTRICAL ROOM 106								1200A: MLO		DEMAND LOAD: 1,044A										
CKT	LTG	REC	HVAC	MISC	NC	DESCRIPTION		AMP	POLE	AMP	POLE	DESCRIPTION		LTG	REC	HVAC	MISC	NC	CKT	
1	0.9	13.1	0.0	0.0	0.0	PANEL "A"		200	3	A	B	60	3	SPD				0.1		2
	2.1	12.1	0.0	0.0	0.0						C						0.1			
	2.1	12.2	0.0	0.0	0.0															
3	2.4	0.0	0.0	0.0	0.0	PANEL "B"		150	3	A	B	70	3	RTU 5			4.4		4	
	2.4	0.0	0.0	0.0	0.0						C					4.4				
	2.4	0.0	0.0	0.0	0.0											4.4				
5	1.0	4.6	0.0	1.3	0.0	PANEL "C"		225	3	A	B	175	3	RTU 1			12.7		6	
	0.2	4.0	0.7	1.3	0.0						C					12.7				
	0.3	3.0	0.0	2.8	0.0											12.7				
7	7.2	0.0	0.0	0.0	0.0	PANEL "D"		225	3	A	B	175	3	RTU 2			12.7		8	
	7.5	0.0	0.0	0.0	0.0						C					12.7				
	8.8	0.0	0.0	0.0	0.0											12.7				
9	5.8	6.5	15.5	0.1	0.0	PANEL "E"		300	3	A	B	175	3	RTU 3			12.1		10	
	6.2	4.8	15.5	1.6	0.0						C					12.1				
	6.1	5.3	15.5	1.5	0.0											12.1				
11				15.5		RTU 6		175	3	A	B	175	3	RTU 4			12.1		12	
				15.5							C					12.1				
				15.5												12.1				
13						SPACE				A	B			SPACE					14	
											C									
PHASE BALANCE			LOAD TYPE		CONNECTED		DEMAND		DEMAND FORMULA		TOTAL LOAD									
⊖	LOAD	%	RECEPTACLE		LIGHTING		55.4 KVA		69.3 KVA		10KVA + 125% NEC 210.19 CONTINUOUS		CONNECTED		DEMAND					
								65.6 KVA		37.8 KVA		10KVA + 50% REMAINDER NEC 220.44		386.1 KVA		376.0KVA				
A	128.2 KVA	33%	HVAC		256.1 KVA		260.0 KVA		LOAD + 25% LARGEST NEC 430.24				1071.6A		1043.6A					
B	128.1 KVA	33%	MISC		8.9 KVA		8.9 KVA		LOAD X 100% NEC 210.19 NON-CONT.				FILENAME							
C	129.7 KVA	34%	NC		0.0 KVA		0.0 KVA		0 NONCOINCIDENTAL LOADS NEC 220.60				2100630 LOAD.xlsm							
NOTES:																				
A. EXISTING SIEMENS PANEL																				
B. PROVIDE NEW BREAKER AS REQUIRED																				
C. NEW WORK IN "BOLD".																				

NOTES	MOUNT: SURFACE					120/208	3-PHASE, 4W		EX PANEL				A		CAPACITY: 200A				INT CAP: EXISTING				NOTES			
	LOCATION: ELECTRICAL ROOM 106					225A: MLO				DEMAND LOAD: 83A																
	CKT	LTG	REC	HVAC	MISC	NC	DESCRIPTION				AMP	POLE	AMP	POLE	DESCRIPTION				LTG	REC	HVAC	MISC		NC	CKT	
			0.7				SHOWROOM REC				20	1	A	20	1	SHOWROOM REC				1.3						2
			3	1.1			SHOWROOM REC				20	1	B	20	1	SHOWROOM REC				1.3						4
			5	1.6			SHOWROOM REC				20	1	C	20	1	SHOWROOM REC				1.1						6
			7	1.1			SHOWROOM REC				20	1	A	20	1	SHOWROOM REC				1.1						8
			9	1.1			SHOWROOM REC				20	1	B	20	1	SHOWROOM REC				1.0						10
			11	1.1			SHOWROOM REC				20	1	C	20	1	SHOWROOM REC				1.0						12
			13	1.1			SHOWROOM REC				20	1	A	20	1	SHOWROOM REC				0.9						14
			15	1.1			SHOWROOM REC				20	1	B	20	1	SHOWROOM REC				1.0						16
			17	1.1			SHOWROOM REC				20	1	C	20	1	SHOWROOM REC				0.9						18
			19	0.9			SHOWROOM REC				20	1	A	20	1	SHOWROOM REC				0.9						20
			21	0.9			SHOWROOM REC				20	1	B	20	1	SHOWROOM REC				0.9						22
			23	0.9			SHOWROOM REC				20	1	C	20	1	SHOWROOM REC				0.9						24
			25	1.6			SHOWROOM REC				20	1	A	20	1	SHOWROOM REC				1.3						26
			27	1.2			PARTITION LIGHTS				20	1	B	20	1	SHOWROOM REC				1.3						28
			29	1.2			COVE LIGHTS				20	1	C	20	1	SHOWROOM REC				1.2						30
			31				SPARE				20	1	A	20	1	SHOWROOM REC				1.1						32
			33				SPARE				20	1	B	20	1	SHOWROOM REC				1.1						34
			35				SPARE				20	1	C	20	1	SHOWROOM REC				1.1						36
			37	0.9			CHANDELIERS				20	1	A	20	1	SHOWROOM REC				1.1						38
			39	0.9			CHANDELIERS				20	1	B	20	1	SHOWROOM REC				1.3						40
			41	0.9			CHANDELIERS				20	1	C	20	1	SHOWROOM REC				1.3						42
	PHASE BALANCE				LOAD TYPE		CONNECTED		DEMAND		DEMAND FORMULA		TOTAL LOAD													
	○ LOAD				% RECEPTACLE		37.4 KVA		6.4 KVA		LOAD X 125% NEC 210.19 CONTINUOUS										CONNECTED		DEMAND			
	A 14.0 KVA				33% HVAC		0.0 KVA		0.0 KVA		10KVA + 50% REMAINDER NEC 220.44										42.5 KVA		30.1KVA			
	B 14.2 KVA				33% MISC		0.0 KVA		0.0 KVA		LOAD + 25% LARGEST NEC 430.24										FILENAME		83.5A			
	C 14.3 KVA				34% NC		0.0 KVA		0.0 KVA		LOAD X 100% NEC 210.19 NON-CONT.										2100630 LOAD.xlsm					
NOTES:																										
A. EXISTING CONTRACTOR CONTROLLED PANEL																										
B.																										
C.																										