

PANELBOARD: HP1 (NEW)																				EQUIPMENT GROUND BUS	
BUS SIZE: 250A MAIN SIZE/TYP: MLO VOLTS/PHASE: 480Y/277V, 3PH, 4W MOUNTING: SURFACE AIC RATING: FCA-10% MINIMUM FULLY RATED										FAULT CURRENT: RE: ONE-LINE DIAGRAM LOCATION: ELECTRICAL ROOM, RM. NO. 115 SERVES: NORMAL LTG+HVAC LOADS FED FROM: MAIN DIST. PNLBD MDP											
SECTION 1																					
CKT NO.	DESCRIPTION	LOAD TYPE	NOTE	VOLT-AMPS/PHASE			WIRE SIZE	GND SIZE	BRKR AMP	P	BRKR AMP	GND SIZE	WIRE SIZE	VOLT-AMPS/PHASE			NOTE	LOAD TYPE	DESCRIPTION	CKT NO.	
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
1	LTG: SUITE A +EM LTG	L	EM	1,678			12	12	20	1	1	30	10	10	6,636			Y	FAN PWRD BOX FPV1-1	2	
3	LTG: SUITE B +EM LTG	L	EM		1,678		12	12	20	1	1	30	10	10	6,636	6,636		Y	FAN PWRD BOX FPV1-2	4	
5	LTG: 1ST FL. CORE +EM LTG	L	EM			3,357	12	12	20	1	1	25	10	10			5,136	Y	FAN PWRD BOX FPV1-3	6	
7	LTG: EXTR. BLDG MTD LIGHTS	L	C1	350			12	12	20	1	1	35	10	8	7,136			Y	FAN PWRD BOX FPV1-4	8	
9	LTG: PARKING LOT POLES	L	C2		1,694		12	12	20	1	1	30	10	10		6,636		Y	FAN PWRD BOX FPV1-5	10	
11	SPARE						20	1	1	25	10	10				5,136		Y	FAN PWRD BOX FPV1-6	12	
13	SPARE						20	1	1	25	10	10			5,136			Y	FAN PWRD BOX FPV1-7	14	
15	SPARE						20	1	1	20									SPARE	16	
17	SPARE						20	1	1	15	12	12			1,500			Y	VAV ELEC HEAT VAV1-1	18	
19	SPARE						20	1	1	15	12	12	1,500					Y	VAV ELEC HEAT VAV1-2	20	
21	SPARE						20	1	1	15	12	12			1,500			Y	VAV ELEC HEAT VAV1-3	22	
23	SPARE						20	1	1	15	12	12			1,500			Y	VAV ELEC HEAT VAV1-4	24	
25	SPARE						20	1	1	15	12	12	1,500					Y	VAV ELEC HEAT VAV1-5	26	
27	SPARE						20	1	1	15	12	12			1,500			Y	VAV ELEC HEAT VAV1-6	28	
29	SPARE						20	1	1	15	12	12			2,000			Y	VAV ELEC HEAT VAV1-7	30	
31					3,000				1	15	12	12	1,500					Y	VAV ELEC HEAT VAV1-8	32	
33	WATER HEATER WH-1	Z			6,000			10	30	3	1	15	12	12	2,000			Y	VAV ELEC HEAT VAV1-9	34	
35						3,000						1	15	12	12	2,000			Y	VAV ELEC HEAT VAV1-10	36
37					25,086														SPARE	38	
39	PANELBOARD HP2				19,950		1L	1L	125	3	1	20							SPARE	40	
41						19,877						1	20						SPARE	42	
				PHASE A			PHASE B			PHASE C											
TOTAL PHASE LOAD (VA):				53,522 VA			47,594 VA			43,506 VA											
TOTAL PHASE LOAD (A):				193 A			172 A			157 A											
LOAD TYPE		CONNECTED LOAD		NEC DEMAND		DEMAND LOAD				PANELBOARD TOTALS		TOTAL CONNECTED		TOTAL DEMAND							
EXISTING LOAD (E):		100%		100%		100%				PANELBOARD TOTALS		146,822 VA		146,721 VA							
COOLING (C):		100%		100%		100%				PANELBOARD TOTALS		174 A		179 A							
HEATING (H):		0%		0%		0%				PANELBOARD NOTES:											
LIGHTING (L):		15,218 VA		125%		19,023 VA				1L: REFER TO ONE-LINE DIAGRAM											
RECEPTACLES (R):		100%		100%		100%				EM: EMERG LTG HANDLE-ON CLAMP											
MOTORS (M):		14,728 VA		100%		14,728 VA				CR: VIA LTG CONTACTOR #											
LARGEST MOTOR:		1,176 VA		125%		1,470 VA															
SUPPLEMENTAL HEAT (Y):		101,500 VA		100%		101,500 VA															
MISC. EQUIPMENT (Z):		12,000 VA		100%		12,000 VA															

PANELBOARD: RP1 (NEW)																								
BUS SIZE: 225A MAIN SIZE/TYPE: 225A MCB VOLT/PHASE: 208Y/120V, 3PH, 4W MOUNTING: SURFACE AIC RATING: FCA+10% MINIMUM FULLY RATED SECTION: 1										FAULT CURRENT: RE: ONE-LINE DIAGRAM LOCATION: ELECTRICAL ROOM, RM. NO. 115 SERVES: FIRST FLOOR NORMAL RCPT LOADS FED FROM: TX-RP1										EQUIPMENT GROUND BUS				
CKT NO.	DESCRIPTION	LOAD TYPE	NOTE	VOLT-AMPS/PHASE			WIRE SIZE	GND SIZE	BRKR AMP	P	BRKR AMP	GND SIZE	WIRE SIZE	VOLT-AMPS/PHASE			NOTE	LOAD TYPE	DESCRIPTION	CKT NO.				
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C				
1	RCPT: STE. A. CHIEF OFFICE	Z		400			12	12	20	1	1	20	12	12	180			R	RCPT: HAC RM 101	2				
3	RCPT: STE. A. E. WALL #1	Z		1,200			12	12	20	1	1	20	12	12		180		R	RCPT: STORAGE RM 102	4				
5	RCPT: STE. A. S. WALL #1	Z		1,200			12	12	20	1	1	20	12	12			360	R	RCPT: RESTROOMS 119, 121	6				
7	RCPT: STE. A. S. WALL #2	Z		1,200			12	12	20	1	1	20	12	12	394			R	RCPT: RR 120, 122 & TRAP PRIMER	8				
9	RCPT: STE. A. S. WALL #3	Z		1,200			12	12	20	1	1	20	12	12		444		GF	RCPT: N. DRINKING FOUNTAIN	10				
11	RCPT: STE. A. S. WALL #4	Z	VD				10	10	20	1	1	20	12	12			720	R	RCPT: STAIRWELLS	12				
13	RCPT: STE. A. N. WALL #1	Z		1,200			12	12	20	1	1	20	12	12		720		R	RCPT: CONF. RM 118, N. HALF	14				
15	RCPT: STE. A. N. WALL #2	Z		1,200			12	12	20	1	1	20	12	12		720		R	RCPT: CONF. RM 118, S. HALF	16				
17	RCPT: STE. A. N. WALL #3	Z		1,200			12	12	20	1	1	20	12	12		720		R	RCPT: CONF. RM 118, FL. BOX	18				
19	RCPT: STE. A. W. WALL	Z		1,200			12	12	20	1	1	20	12	12	180			R	RCPT: ELEC. RM 115	20				
21	RCPT: STE. A. GEN. PURPOSE	R		1,080			12	12	20	1	1	20	12	12		428		R,Z	RCPT: MECH. RM 117/TRAP PRIMER	22				
23	RCPT: COPIER RM 113, COPIER	Z		1,200			12	12	20	1	1	20	12	12			264	L,R	RCPT: ELEVATOR PIT	24				
25	RCPT: COPIER RM 113, SHREDDER	Z		400			12	12	20	1	1	20	12	12		1,176		Z	RCPT: ELEVATOR SLUMP PUMP	26				
27	RCPT: COPIER RM 113, GEN. PURP.	R		540			12	12	20	1	1	20	12	12		282		L,R	RCPT: ELEV. MACHINE RM	28				
29	RCPT: BRK RM 105, REFRIG.	Z	GF,VD	1,200			10	10	20	1	1	20	12	12		1,080		R	RCPT: 1ST FL. CORRIDORS	30				
31	RCPT: BRK RM 105, COFFEE	Z	VD	1,200			10	10	20	1	1	20	12	12	360			R	RCPT: BLDG EXT. FRONT/BACK	32				
33	RCPT: BRK RM 105, MICROWAVE	Z	VD	1,200			10	10	20	1	1	20	12	12		900		R	RCPT: ROOFTOP	34				
35	RCPT: BRK RM 105, COUNTER	R	VD				180	10	20	1	1	20	12	12			500	FA	PWR: FIRE ALARM CTRL. PANEL	36				
37	RCPT: BRK RM 105, GARB. DISP.	M	VD	1,656			8	8	25	1	1	20	12	12	1,000			Z	PWR: ELEVATOR CAB SERVICES	38				
39	RCPT: BRK RM 105, GEN. PURP.	R	VD	540			12	12	20	1	1	20	12	12	1,000			Z	PWR: ELEVATOR HVAC	40				
41	SPARE						20	1	1	20	12	12				764		Z	PWR: VESTIBULE ENTRY DOORS	42				
SECTION 2																								
43	RCPT: STE. B. CHIEF OFFICE	Z		400			12	12	20	1	25	10	10	807				C,M	AC-3/CU-3	44				
45	RCPT: STE. B. E. WALL	Z		1,200			12	12	20				12		807					46				
47	RCPT: STE. B. S. WALL #1	Z		1,200			12	12	20	1	15	12	12			815		C,M	AC-4/CU-4	48				
49	RCPT: STE. B. S. WALL #2	Z		1,200			12	12	20	2		12	12	815			815		C,M	AC-5/CU-5	50			
51	RCPT: STE. B. S. WALL #3	Z		1,200			12	12	20	2	15	12	12			815		C,M	AC-6/CU-6	52				
53	RCPT: STE. B. N. WALL #1	Z	VD				10	10	20		2	15	12	815			815			54				
55	RCPT: STE. B. N. WALL #2	Z	VD	1,200			10	10	20		2	15	12	815				C,M	AC-6/CU-6	56				
57	RCPT: STE. B. N. WALL #3	Z	VD	1,200			10	10	20				12	815						58				
59	RCPT: STE. B. N. WALL #4	Z	VD	1,200			10	10	20	1	1	20	12	12				FA	PWR: RECU. NON-PAN. CP	60				
61	RCPT: STE. B. W. WALL	Z	VD	1,200			10	10	20	1	1	20	12	12	304			Z	PWR: FIREHOUSE DUMPERS	62				
63	RCPT: STE. B. GEN. PURPOSE	R		1,080			12	12	20	1	1	20	12	12		500		Z	PWR: TEMP. CTRL. PANELS	64				
65	RCPT: COPIER RM 114, COPIER	Z		1,200			12	12	20	1	1	20								66				
67	RCPT: COPIER RM 114, SHREDDER	Z		400			12	12	20	1	1	20								68				
69	RCPT: COPIER RM 114, GEN. PURP.	R		540			12	12	20	1	1	20	12	12						70				
71	RCPT: BRK RM 106, REFRIG.	Z	GF,VD	1,200			10	10	20	1	1	20								72				
73	RCPT: BRK RM 106, COFFEE	Z	VD	1,200			10	10	20	1	1	20								74				
75	RCPT: BRK RM 106, MICROWAVE	Z	VD	1,200			10	10	20	1	1	20								76				
77	RCPT: BRK RM 106, COUNTER	R	VD				180	10	20	1	1	20								78				
79	RCPT: BRK RM 106, GARB. DISP.	M	VD	1,656			8	8	25	1	1	20								80				
81	RCPT: BRK RM 106, GEN. PURP.	R	VD	540			12	12	20	1	1	20								82				
83	SPARE						20	1	1	20	12	12								84				