C21

VOLTAGE: 120/208 | PH & WIRES: 3P 4W | BUSES: 100A | MAIN BREAKER: 100A MAIN BRKR | AIC RATING: SEE SPECS | MOUNTING: SURFACE | LOCATION: UPS ROOM 230 | FEEDER: SEE RISER

LOAD DESCRIPTION	AMP	POLE	DWG CRKT NO.	POLE ID	WATTS	WATT LOADS PH A	PH B	PH C	WATTS	POLE ID	DWG CRKT NO.	POLE	AMP	LOAD DESCRIPTION
TUB 1 OF 1 – REMARKS:														
TVSS	*	3	1	1	0	540	---	---	540	2	2	1	20	RCPT – RM 229
	–	–	–	3		---	540	---	540	4	4	1	20	RCPT – RM 228 & 229
	–	–	–	5		---	---	360	360	6	6	1	20	RCPT – RM 203
RCPT – RM 225	20	1	7	7	360	900	---	---	540	8	8	1	20	RCPT – RM 225
RCPT – RM 223	20	1	9	9	180	---	360	---	180	10	10	1	20	RCPT – RM 223
RCPT – RM 222	20	1	11	11	540	---	---	1080	540	12	12	1	20	RCPT – RM 220 & 223
RCPT – TEST RACK RM 223	20	1	13	13	1000	2000	---	---	1000	14	14	1	20	RCPT – TEST RACK RM 223
RCPT – TEST RACK RM 223	20	1	15	15	1000	---	2000	---	1000	16	16	1	20	RCPT – TEST RACK RM 223
RCPT – RM 223	20	1	17	17	180	---	---	360	180	18	18	1	20	RCPT – RM 223
SPARE	20	1	19	19	0	0	---	---	0	20	20	1	20	SPACE
SPARE	20	1	21	21	0	---	0	---	0	22	22	1	20	SPARE
SPARE	20	1	23	23	0	---	---	0	0	24	24	1	20	SPARE
SPARE	20	1	25	25	0	0	---	---	0	26	26	1	20	SPARE
SPARE	20	1	27	27	0	---	0	---	0	28	28	1	20	SPARE
SPARE	20	1	29	29	0	---	---	0	0	30	30	1	20	SPARE
SPARE	20	1	31	31	0	0	---	---	0	32	32	1	20	SPARE
SPARE	20	1	33	33	0	---	0	---	0	34	34	1	20	SPARE
SPARE	20	1	35	35	0	---	---	0	0	36	36	1	20	SPARE
SPARE	20	1	37	37	0	0	---	---	0	38	38	1	20	SPARE
SPARE	20	1	39	39	0	---	0	---	0	40	40	1	20	SPARE
SPARE	20	1	41	41	0	---	---	0	0	42	42	1	20	SPARE
TOTAL AMPS:22.6					3440	2900	1800	TOTAL WATTS:8140						

REMARKS: PROVIDE 200% NEUTRAL BUS, ISOLATED GROUND BUS AND STANDARD GROUND BUS.
* TRIP RATING PER MANUFACTURER REQUIREMENTS.

HDP

VOLTAGE: 120/208 | PH & WIRES: 3P 4W | BUSES: 2000A | MAIN BREAKER: MLO | AIC RATING: SEE SPECS | MOUNTING: SURFACE | LOCATION: BASEMENT | FEEDER: SEE RISER

LOAD DESCRIPTION	AMP	POLE	DWG CRKT NO.	POLE ID	WATTS	WATT LOADS PH A	PH B	PH C	WATTS	POLE ID	DWG CRKT NO.	POLE	AMP	LOAD DESCRIPTION
TUB 1 OF 1 – REMARKS:														
TVSS	*	3	1	1	0	8480	---	---	27274	2	2	3	200	PNL D21
	–	–	–	3		---	10336	---		4	–	–	–	
	–	–	–	5		---	---	8458		6	–	–	–	
UPS NORMAL	400	3	7	7	96000	32000	---	---	0	8	8	3	400	UPS BYPASS
	–	–	–	9		---	32000	---		10	–	–	–	
	–	–	–	11		---	---	32000		12	–	–	–	
EXISTING TENANT POWER BUS	600	3	13	13	140000	50000	---	---	10000	14	14	3	600	EXISTING TENANT POWER BUS
	–	–	–	15		---	50000	---		16	–	–	–	
	–	–	–	17		---	---	50000		18	–	–	–	
AC–1	125	3	19	19	41148	13716	---	---	0	20	20	3	400	SPACE
	–	–	–	21		---	13716	---		22	–	–	–	
	–	–	–	23		---	---	13716		24	–	–	–	
SPACE	400	3	25	25	0	0	---	---	0	26	26	3	225	SPACE
	–	–	–	27		---	0	---		28	–	–	–	
	–	–	–	29		---	---	0		30	–	–	–	
SPACE	225	3	31	31	0	0	---	---	0	32	–	1		SPACE
	–	–	–	33		---	0	---	0	34	–	1		SPACE
	–	–	–	35		---	---	0	0	36	–	1		SPACE
SPACE		1	–	37	0	0	---	---	0	38	–	1		SPACE
SPACE		1	–	39	0	---	0	---	0	40	–	1		SPACE
SPACE		1	–	41	0	---	---	0	0	42	–	1		SPACE
TOTAL AMPS:872.7					104196	106052	104174	TOTAL WATTS:314422						

REMARKS: * TRIP RATING PER MANUFACTURER REQUIREMENTS

PNLA

VOLTAGE: 120/208 | PH & WIRES: 3P 4W | BUSES: 200A | MAIN BREAKER: 225A MAIN BRKR | AIC RATING: SEE SPECS | MOUNTING: SURFACE | LOCATION: UPS MODULE | FEEDER: SEE RISER

LOAD DESCRIPTION	AMP	POLE	DWG CRKT NO.	POLE ID	WATTS	WATT LOADS PH A	PH B	PH C	WATTS	POLE ID	DWG CRKT NO.	POLE	AMP	LOAD DESCRIPTION
TUB 1 OF 1 – REMARKS:														
RCPT – RACK #1 RM 229	20	1	1	1	1000	2000	---	---	1000	2	2	1	20	RCPT – RACK #1 RM 229
RCPT – RACK #2 RM 229	20	1	3	3	1000	---	2000	---	1000	4	4	1	20	RCPT – RACK #2 RM 229
RCPT – RACK #3 RM 229	20	1	5	5	1000	---	---	2000	1000	6	6	1	20	RCPT – RACK #3 RM 229
RCPT – RACK #4 RM 229	20	1	7	7	1000	2000	---	---	1000	8	8	1	20	RCPT – RACK #4 RM 229
RCPT – RACK #5 RM 229	20	1	9	9	1000	---	2000	---	1000	10	10	1	20	RCPT – RACK #5 RM 229
RCPT – RACK #6 RM 229	20	1	11	11	1000	---	---	2000	1000	12	12	1	20	RCPT – RACK #6 RM 229
RCPT – RACK #7 RM 229	20	1	13	13	1000	2000	---	---	1000	14	14	1	20	RCPT – RACK #7 RM 229
RCPT – RACK #8 RM 229	20	1	15	15	1000	---	2000	---	1000	16	16	1	20	RCPT – RACK #8 RM 229
RCPT – RACK #9 RM 229	20	1	17	17	1000	---	---	2000	1000	18	18	1	20	RCPT – RACK #9 RM 229
RCPT – RACK #10 RM 229	20	1	19	19	1000	2000	---	---	1000	20	20	1	20	RCPT – RACK #10 RM 229
RCPT – RACK #11 RM 229	20	1	21	21	1000	---	2000	---	1000	22	22	1	20	RCPT – RACK #11 RM 229
RCPT – RACK #12 RM 229	20	1	23	23	1000	---	---	2000	1000	24	24	1	20	RCPT – RACK #12 RM 229
RCPT – UNIT #3	20	2	25	25	1000	1500	---	---	1000	26	26	1	20	RCPT – UNIT #1
	–	–	–	27		---	860	---	360	28	28	1	20	RCPT – RM 228
SPARE	20	1	29	29	0	---	---	0	0	30	30	1	20	SPARE
SPARE	20	1	31	31	0	0	---	---	0	32	32	1	20	SPARE
SPARE	20	1	33	33	0	---	0	---	0	34	34	1	20	SPARE
SPARE	20	1	35	35	0	---	---	0	0	36	36	1	20	SPARE
SPARE	20	1	37	37	0	0	---	---	0	38	38	1	20	SPARE
SPARE	20	1	39	39	0	---	0	---	0	40	40	1	20	SPARE
SPARE	20	1	41	41	0	---	---	0	0	42	42	1	20	SPARE
TOTAL AMPS:73.2					9500	8860	8000	TOTAL WATTS:26360						

REMARKS: PANEL LOCATED INTERNAL TO THE UPS SYSTEM

D21

VOLTAGE: 120/208 | PH & WIRES: 3P 4W | BUSES: 200A | MAIN BREAKER: MLO | AIC RATING: SEE SPECS | MOUNTING: SURFACE | LOCATION: UPS ROOM 230 | FEEDER: SEE RISER

LOAD DESCRIPTION	AMP	POLE	DWG CRKT NO.	POLE ID	WATTS	WATT LOADS PH A	PH B	PH C	WATTS	POLE ID	DWG CRKT NO.	POLE	AMP	LOAD DESCRIPTION
TUB 1 OF 1 – REMARKS:														
PNL P21	100	3	1	1	19134	8480	---	---	8140	2	2	3	90	PANEL C21 THRU XFMR
	–	–	–	3		---	10336	---		4	–	–	–	
	–	–	–	5		---	---	8458		6	–	–	–	
SPACE		1	–	7	0	0	---	---	0	8	–	1		SPACE
SPACE		1	–	9	0	---	0	---	0	10	–	1		SPACE
SPACE		1	–	11	0	---	---	0	0	12	–	1		SPACE
SPACE		1	–	13	0	0	---	---	0	14	–	1		SPACE
SPACE		1	–	15	0	---	0	---	0	16	–	1		SPACE
SPACE		1	–	17	0	---	---	0	0	18	–	1		SPACE
SPACE		1	–	19	0	0	---	---	0	20	–	1		SPACE
SPACE		1	–	21	0	---	0	---	0	22	–	1		SPACE
SPACE		1	–	23	0	---	---	0	0	24	–	1		SPACE
SPACE		1	–	25	0	0	---	---	0	26	–	1		SPACE
SPACE		1	–	27	0	---	0	---	0	28	–	1		SPACE
SPACE		1	–	29	0	---	---	0	0	30	–	1		SPACE
SPACE		1	–	31	0	0	---	---	0	32	–	1		SPACE
SPACE		1	–	33	0	---	0	---	0	34	–	1		SPACE
SPACE		1	–	35	0	---	---	0	0	36	–	1		SPACE
SPACE		1	–	37	0	0	---	---	0	38	–	1		SPACE
SPACE		1	–	39	0	---	0	---	0	40	–	1		SPACE
SPACE		1	–	41	0	---	---	0	0	42	–	1		SPACE
TOTAL AMPS:75.7					8480	10336	8458	TOTAL WATTS:27274						

REMARKS:

P21

VOLTAGE: 120/208 | PH & WIRES: 3P 4W | BUSES: 100A | MAIN BREAKER: MLO | AIC RATING: SEE SPECS | MOUNTING: SURFACE | LOCATION: UPS ROOM 230 | FEEDER: SEE RISER

LOAD DESCRIPTION	AMP	POLE	DWG CRKT NO.	POLE ID	WATTS	WATT LOADS PH A	PH B	PH C	WATTS	POLE ID	DWG CRKT NO.	POLE	AMP	LOAD DESCRIPTION
TUB 1 OF 1 – REMARKS:														
RCPT – RM 228, 229 & 230	20	1	1	1	1440	2880	---	---	1440	2	2	1	20	RCPT – RM 228 & 229
RCPT – RM 201,203 & 225	20	1	3	3	1440	---	2880	---	1440	4	4	1	20	RCPT – RM 203,225 & 226
RCPT – RM 225	20	1	5	5	1440	---	---	2700	1260	6	6	1	20	RCPT – RM 225 & 226
RCPT – RM 223	20	1	7	7	1080	2160	---	---	1080	8	8	1	20	RCPT – RM 223
RCPT – RM 220 & 222	20	1	9	9	1440	---	2520	---	1080	10	10	1	20	RCPT – RM 217,222 & 230
RCPT – RM 217,220 & 224	20	1	11	11	1080	---	---	1080	0	12	12	1	20	SPARE
SPARE	20	1	13	13	0	0	---	---	0	14	14	1	20	SPARE
SPARE	20	1	15	15	0	---	0	---	0	16	16	1	20	SPARE
SPARE	20	1	17	17	0	---	---	0	0	18	18	1	20	SPARE
SPARE	20	1	19	19	0	0	---	---	0	20	20	1	20	SPARE
LTG – RM 203 & 225	20	1	21	21	1092	---	---	1796	704	22	22	1	20	LTG – RM 220,222 & 223
LTG – HALL	20	1	23	23	1338	---	---	2222	884	24	25	1	20	LTG – RM 228,229 & 230
SPARE	20	1	25	25	0	0	---	---	0	26	26	1	20	SPARE
SPARE	20	1	27	27	0	---	0	---	0	28	28	1	20	SPARE
SPARE	20	1	29	29	0	---	---	0	0	30	30	1	20	SPARE
SPARE	20	1	31	31	0	0	---	---	0	32	32	1	20	SPARE
SPARE	20	1	33	33	0	---	0	---	0	34	34	1	20	SPARE
SPARE	20	1	35	35	0	---	---	0	0	36	36	1	20	SPARE
SPARE	20	1	37	37	0	0	---	---	0	38	38	1	20	SPARE
CU–1, OUTDOOR UNIT	20	2	39	39	312	---	240	---	84	40	40	1	15	MS–1,INDOOR UNIT,RM 223
	–	–	–	41		---	---	656	500	42	42	1	20	SS–1, FM–200 PNL
TOTAL AMPS:53.1					5040	7436	6658	TOTAL WATTS:19134						

REMARKS:

PNLB

VOLTAGE: 120/208 | PH & WIRES: 3P 4W | BUSES: 200A | MAIN BREAKER: 225A MAIN BRKR | AIC RATING: SEE SPECS | MOUNTING: SURFACE | LOCATION: UPS MODULE | FEEDER: SEE RISER

LOAD DESCRIPTION	AMP	POLE	DWG CRKT NO.	POLE ID	WATTS	WATT LOADS PH A	PH B	PH C	WATTS	POLE ID	DWG CRKT NO.	POLE	AMP	LOAD DESCRIPTION
TUB 1 OF 1 – REMARKS:														
RCPT – RACK #1 RM 229	20	1	1	1	1000	2000	---	---	1000	2	2	1	20	RCPT – RACK #1 RM 229
RCPT – RACK #2 RM 229	20	1	3	3	1000	---	2000	---	1000	4	4	1	20	RCPT – RACK #2 RM 229
RCPT – RACK #3 RM 229	20	1	5	5	1000	---	---	2000	1000	6	6	1	20	RCPT – RACK #3 RM 229
RCPT – RACK #4 RM 229	20	1	7	7	1000	2000	---	---	1000	8	8	1	20	RCPT – RACK #4 RM 229
RCPT – RACK #5 RM 229	20	1	9	9	1000	---	2000	---	1000	10	10	1	20	RCPT – RACK #5 RM 229
RCPT – RACK #6 RM 229	20	1	11	11	1000	---	---	2000	1000	12	12	1	20	RCPT – RACK #6 RM 229
RCPT – RACK #7 RM 229	20	1	13	13	1000	2000	---	---	1000	14	14	1	20	RCPT – RACK #7 RM 229
RCPT – RACK #8 RM 229	20	1	15	15	1000	---	2000	---	1000	16	16	1	20	RCPT – RACK #8 RM 229
RCPT – RACK #9 RM 229	20	1	17	17	1000	---	---	2000	1000	18	18	1	20	RCPT – RACK #9 RM 229
RCPT – RACK #10 RM 229	20	1	19	19	1000	2000	---	---	1000	20	20	1	20	RCPT – RACK #10 RM 229
RCPT – RACK #11 RM 229	20	1	21	21	1000	---	2000	---	1000	22	22	1	20	RCPT – RACK #11 RM 229
RCPT – RACK #12 RM 229	20	1	23	23	1000	---	---	2000	1000	24	24	1	20	RCPT – RACK #12 RM 229
RCPT – UNIT #4A	20	1	25	25	1000	2000	---	---	1000	26	26	1	20	RCPT – UNIT #2A
RCPT – UNIT #4B	20	1	27	27	1000	---	2000	---	1000	28	28	1	20	RCPT – UNIT #2B
SPARE	20	1	29	29	0	---	---	0	0	30	30	1	20	SPARE
SPARE	20	1	31	31	0	0	---	---	0	32	32	1	20	SPARE
SPARE	20	1	33	33	0	---	0	---	0	34	34	1	20	SPARE
SPARE	20	1	35	35	0	---	---	0	0	36	36	1	20	SPARE
SPARE	20	1	37	37	0	0	---	---	0	38	38	1	20	SPARE
SPARE	20	1	39	39	0	---	0	---	0	40	40	1	20	SPARE
SPARE	20	1	41	41	0	---	---	0	0	42	42	1	20	SPARE
TOTAL AMPS:77.7					10000	10000	8000	TOTAL WATTS:28000						

REMARKS: PANEL LOCATED INTERNAL TO THE UPS SYSTEM

EQUIPMENT SCHEDULE

EQUIPMENT LABEL	EQUIPMENT NAME	VOLTS	POLE	CIRCUIT BREAKER	HP	WATTS	WIRING	WIRING METHOD	WIRING CONNECTION	CIRCUIT	REMARKS
AC–1	LIEBERT INDOOR UNIT	208	3	125	---	41148	3#1/0&B–2"C	CONCEALED	D	HDP–19	---
CU–1	OUTDOOR AIR UNIT	208	2	20	---	312	2#12&B–1/2"C	CONCEALED	S	P21–39	---
MS–1	INDOOR AIR UNIT	120	1	15	---	84	2#12&B–1/2"C	CONCEALED	S	P21–40	---
SS–1	FM–200 SUPPR. SYSTEM PNL	120	1	20	---	500	2#12&B–1/2"C	CONCEALED	---	P21–42	---

PANEL SCHEDULES | SCALE: NONE | REF: NA | B1

EQUIPMENT SCHEDULE | SCALE: NONE | REF: NA | A1

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Project Title
MEMIC COMPUTER ROOM RELOCATION
PORTLAND, MAINE

HA Project No. 04150

Key Plan

Mark	Date	Description
–	11–03–04	ISSUED FOR CONSTRUCTION
–	10–19–04	90% REVIEW

Issue Dates

Drawing Status

Drawing Title
PANELBOARD & EQUIPMENT SCHEDULES

PA / PE: KOS | Drawn By: WJB

Drawing Number
E60.1