PANEL: 4EEQLA — EQUIPMENT

LOCATION: ELEC. ROOM 4E172
MAIN BUS: 100A
MCB: 100A
VOLTAGE: 208/120
AIC: 18,000A

FED FROM: 4EEQHA
WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: Copper
MOUNTING: Surface
PANEL LUGS: Main Circuit Breaker

NEUTRAL BUS: Yes
GROUND BUS: Yes
ISOLATED GROUND BUS: No
200% NEUTRAL: No
FEED THROUGH LUGS: Yes

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	VAV CONTROLS	500	20	1	A	20	1	500	AHU COIL	2
3	VAV CONTROLS	500	20	1	B	20	1	250	AHU LTG	4
5	VAV CONTROLS	500	20	1	C	20	1	250	AHU MISC	6
7	DAMPERS	500	20	1	A	20	1	250	AHU LTG	8
9	DAMPERS	500	20	1	B	20	1	250	AHU MISC	10
11	ELEV – CONTROLS	500	20	1	C	20	1	500	AHU HEAT TRACE	12
13	ELEV – CAB LTG	500	20	1	A	20	1	500	AHU HEAT TRACE	14
15	ELEV – SHUNT TRIP	250	20	1	B	20	1	500	AHU COIL	16
17	ELEV – LTG	64	20	1	C	20	1	–	SPARE	18
19	SPARE	–	20	1	A	20	1	–	SPARE	20
21	SPARE	–	20	1	B	20	1	–	SPARE	22
23	SPARE	–	20	1	C	20	1	–	SPARE	24
25	SPARE	–	20	1	A	20	1	–	SPARE	26
27	SPARE	–	20	1	B	20	1	–	SPARE	28
29	SPARE	–	20	1	C	20	1	–	SPARE	30
31	SPARE	–	20	1	A	20	1	–	SPARE	32
33	SPARE	–	20	1	B	20	1	–	SPARE	34
35	SPARE	–	20	1	C	20	1	–	SPARE	36
37	SPARE	–	20	1	A	20	1	–	SPARE	38
39	SPARE	–	20	1	B	20	1	–	SPARE	40
41	SPARE	–	30	1	C	20	1	–	SPARE	42

NOTES:

"4EEQLA" LOAD SUMMARY

	LTS	RCPTS	MTRS	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.1	0.0	0.0	0.0	6.8	6.8	18.9
DEMAND FACTOR	SEE DEMAND FACTOR TABLE						
TOTAL DEMAND LOAD	0.1	0.0	0.0	0.0	6.8	6.8	18.9
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00			
TOTAL DESIGN LOAD	0.1	0.0	0.0	0.0	6.8	6.8	19.0

PANEL: 4ECLA — CRITICAL

LOCATION: ELEC. ROOM 4E172
MAIN BUS: 200A
MCB: 150A
VOLTAGE: 208/120
AIC: 22,000A

FED FROM: 4ECHA
WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: Copper
MOUNTING: Surface
PANEL LUGS: Main Circuit Breaker

NEUTRAL BUS: Yes
GROUND BUS: Yes
ISOLATED GROUND BUS: No
200% NEUTRAL: No
FEED THROUGH LUGS: Yes

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	PAT RM HDWALL	360	20	1	A	20	1	360	PAT RM HDWALL	2
3	PAT RM RECEPTS	540	20	1	B	20	1	540	PAT RM RECEPTS	4
5	PAT RM HDWALL	360	20	1	C	20	1	360	PAT RM HDWALL	6
7	PAT RM RECEPTS	540	20	1	A	20	1	540	PAT RM RECEPTS	8
9	PAT RM HDWALL	360	20	1	B	20	1	360	PAT RM HDWALL	10
11	PAT RM RECEPTS	540	20	1	C	20	1	540	PAT RM RECEPTS	12
13	PAT RM HDWALL	360	20	1	A	20	1	360	PAT RM HDWALL	14
15	PAT RM RECEPTS	540	20	1	B	20	1	540	PAT RM RECEPTS	16
17	PAT RM HDWALL	360	20	1	C	20	1	360	PAT RM HDWALL	18
19	PAT RM RECEPTS	540	20	1	A	20	1	540	PAT RM RECEPTS	20
21	PAT RM HDWALL	360	20	1	B	20	1	360	PAT RM HDWALL	22
23	PAT RM RECEPTS	540	20	1	C	20	1	540	PAT RM RECEPTS	24
25	PAT RM HDWALL	360	20	1	A	20	1	360	PAT RM HDWALL	26
27	PAT RM RECEPTS	540	20	1	B	20	1	540	PAT RM RECEPTS	28
29	PAT RM HDWALL	360	20	1	C	20	1	360	PAT RM HDWALL	30
31	PAT RM RECEPTS	540	20	1	A	20	1	540	PAT RM RECEPTS	32
33	PAT RM HDWALL	360	20	1	B	20	1	360	PAT RM HDWALL	34
35	PAT RM RECEPTS	540	20	1	C	20	1	540	PAT RM RECEPTS	36
37	PAT RM HDWALL	360	20	1	A	20	1	360	PAT RM HDWALL	38
39	PAT RM RECEPTS	540	20	1	B	20	1	540	PAT RM RECEPTS	40
41	RECEPTS – NURSE	720	20	1	C	20	1	720	RECEPTS – NURSE	42

NOTES:

PANEL: 4ECLA (SECTION 2) — CRITICAL

LOCATION: ELEC. ROOM 4E172
MAIN BUS: 200A
MCB: N/A
VOLTAGE: 208/120
AIC: 22,000A

WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: Copper
MOUNTING: Surface
PANEL LUGS: Main Lugs Only

NEUTRAL BUS: Yes
GROUND BUS: Yes
ISOLATED GROUND BUS: No
200% NEUTRAL: No
FEED THROUGH LUGS: Yes

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
43	PAT RM HDWALL	360	20	1	A	20	1	360	PTS – STATION	44
45	PAT RM RECEPTS	540	20	1	B	20	1	180	RECEPT – ELEV CONTROL	46
47	PAT RM HDWALL	360	20	1	C	20	1	1080	PTS – TRANSFER UNITS	48
49	PAT RM RECEPTS	540	20	1	A	20	1	1080	PTS – TRANSFER UNITS	50
51	PAT RM HDWALL	360	20	1	B	20	1	250	PTS – CONTROLS	52
53	PAT RM RECEPTS	540	20	1	C	20	1	276	ELEV – PIT	54
55	PAT RM HDWALL	360	20	1	A	20	1	250	MED CART	56
57	PAT RM RECEPTS	540	20	1	B	20	1	500	ICE MAKER	58
59	PAT RM HDWALL	360	20	1	C	20	1	700	REFRIGERATOR	60
61	PAT RM RECEPTS	540	20	1	A	20	1	360	RECEPTS – MECH/ELEC	62
63	PAT RM HDWALL	360	20	1	B	20	1	–	SPARE	64
65	PAT RM RECEPTS	540	20	1	C	20	1	–	SPARE	66
67	PAT RM HDWALL	360	20	1	A	20	1	–	SPARE	68
69	PAT RM RECEPTS	540	20	1	B	20	1	–	SPARE	70
71	PAT RM HDWALL	360	20	1	C	20	1	–	SPARE	72
73	PAT RM RECEPTS	540	20	1	A	20	1	–	SPARE	74
75	PAT RM HDWALL	360	20	1	B	20	1	1080	RECEPT – IT	76
77	PAT RM RECEPTS	540	20	1	C	30	2	1500	TELECOM	78
79	PAT RM HDWALL	360	20	1	A			–		80
81	PAT RM RECEPTS	540	20	1	B	30	2	1500	TELECOM	82
83	SPARE	–	20	1	C			–		84

NOTES:

PANEL: 4ECLA (SECTION 3) — CRITICAL

LOCATION: ELEC. ROOM 4E172
MAIN BUS: 200A
MCB: N/A
VOLTAGE: 208/120
AIC: 22,000A

WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: Copper
MOUNTING: Surface
PANEL LUGS: Main Lugs Only

NEUTRAL BUS: Yes
GROUND BUS: Yes
ISOLATED GROUND BUS: No
200% NEUTRAL: No

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
85	SPARE	–	20	1	A	20	1	–	SPARE	86
87	SPARE	–	20	1	B	20	1	–	SPARE	88
89	SPARE	–	20	1	C	20	1	–	SPARE	90
91	SPARE	–	20	1	A	20	1	–	SPARE	92
93	SPARE	–	20	1	B	20	1	–	SPARE	94
95	SPARE	–	20	1	C	20	1	–	SPARE	96
97	SPARE	–	20	1	A	20	1	–	SPARE	98
99	SPARE	–	20	1	B	20	1	–	SPARE	100
101	SPARE	–	20	1	C	20	1	–	SPARE	102
103	SPARE	–	20	1	A	20	1	–	SPARE	104
105	SPARE	–	20	1	B	20	1	–	SPARE	106
107	SPARE	–	20	1	C	20	1	–	SPARE	108
109	SPARE	–	20	1	A	20	1	–	SPARE	110
111	SPARE	–	20	1	B	20	1	–	SPARE	112
113	SPARE	–	20	1	C	20	1	–	SPARE	114
115	SPARE	–	20	1	A	20	1	–	SPARE	116
117	SPARE	–	20	1	B	20	1	–	SPARE	118
119	SPARE	–	20	1	C	20	1	–	SPARE	120
121	SPARE	–	20	1	A	20	1	–	SPARE	122
123	SPARE	–	20	1	B	20	1	–	SPARE	124
125	SPARE	–	20	1	C	20	1	–	SPARE	126

NOTES:

"4ECLA" LOAD SUMMARY

	LTS	RCPTS	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.1	30.2	0.0	7.2	37.6	104.2
DEMAND FACTOR	SEE DEMAND FACTOR TABLE					
TOTAL DEMAND LOAD	0.1	20.1	0.0	7.2	27.4	76.2
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00		
TOTAL DESIGN LOAD	0.1	20.1	0.0	7.2	27.5	76.2

PANEL: 4ECHA — CRITICAL

LOCATION: ELEC. ROOM 4E172
MAIN BUS: 225A
MCB: N/A
VOLTAGE: 480/277
AIC: 42,000A

FED FROM: SWBD–E3
WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: Copper
MOUNTING: Surface
PANEL LUGS: Main Lugs Only

NEUTRAL BUS: Yes
GROUND BUS: Yes
ISOLATED GROUND BUS: No
200% NEUTRAL: No
FEED THROUGH LUGS: Yes

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	PHASE	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER POLES	TOTAL LOAD (VA)	DESCRIPTION	CKT NO
1	LTG – PATIENT ROOMS	1350	20	1	A	20	1	–	SPARE	2
3	LTG – PATIENT ROOMS	1125	20	1	B	20	1	–	SPARE	4
5	LTG – PATIENT ROOMS	1525	20	1	C	20	1	–	SPARE	6
7	LTG – PATIENT ROOMS	1525	20	1	A	20	1	–	SPARE	8
9	LTG – PATIENT ROOMS	1125	20	1	B	20	1	–	SPARE	10
11	LTG – CORE	1360	20	1	C	20	1	–	SPARE	12
13	SPARE	–	20	1	A	20	1	–	SPARE	14
15	SPARE	–	20	1	B	20	1	–	SPARE	16
17	SPARE	–	20	1	C	20	1	–	SPARE	18
19	SPARE	–	20	1	A	20	1	–	SPARE	20
21	SPARE	–	20	1	B	20	1	–	SPARE	22
23	SPARE	–	20	1	C	20	1	–	SPARE	24
25	SPARE	–	20	1	A	20	1	–	SPARE	26
27	SPARE	–	20	1	B	20	1	–	SPARE	28
29	SPARE	–	20	1	C	20	1	–	SPARE	30
31	SPARE	–	20	1	A	20	1	–	SPARE	32
33	SPARE	–	20	1	B	20	1	–	SPARE	34
35	SPARE	–	20	1	C	20	1	–	SPARE	36
37	PANEL "4CCLA"	13260	90	3	A	20	1	–	SPARE	38
39	VIA XFMR	13370			B	20	1	–	SPARE	40
41	"	15036			C	20	1	–	SPARE	42

NOTES:

"4ECHA" LOAD SUMMARY

	LTS	RCPTS	MTRS	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	8.1	31.9	0.0	0.0	9.7	49.7	59.6
DEMAND FACTOR	SEE DEMAND FACTOR TABLE						
TOTAL DEMAND LOAD	8.1	20.9	0.0	0.0	9.7	38.7	46.6
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	10.1	20.9	0.0	0.0	9.7	40.8	49.0

DISTRIBUTION PANEL: 4EEQHA — EMERGENCY

FED FROM: SWBD–EMA
LOCATION: ELEC. COM 4E172
MAIN BUS: 225A
MCB: N/A
VOLTAGE: 480/277
AIC: 42,000A

WIRES: 4W + G
ENCLOSURE: NEMA 1
BUS TYPE: Copper
MOUNTING: Surface
PANEL LUGS: Main Lugs Only

NEUTRAL BUS: Yes
GROUND BUS: Yes
ISOLATED GROUND BUS: No
200% NEUTRAL: No

CKT NO.	DESCRIPTION	TOTAL LOAD (VA)	LOAD (VA) LTS	RCPTS	MTRS	HEAT	MISC	CIRCUIT BREAKER AMPS	POLES	REMARKS
1	AHU–1	22200			22200			50	3	
2	AHU–2	5817			5817			20	3	
3	HWP–1	9150			9150			20	3	
4	HWP–2	9150			9150			20	3	
5	GRP–1	6300			6300			20	3	
6	GRP–2	6300			6300			20	3	
7	ELEVATOR	22200			22200			50	3	
8	EF–1	17451			17451			40	3	
9	EF–2	17451			17451			40	3	
10	ERU–1	–						20	3	
11	ERU–2	–						20	3	
12	SPARE	–						–	3	
13	SPARE	–						–	3	
14	SPARE	–						–	3	
15	SPARE	–						–	3	
16	SPARE	–						–	3	
17	SPARE	–						–	3	
18	SPARE	–						–	3	
19	SPARE	–						–	3	
20	PANEL "4EEQLA" VIA XFMR	6814	64				6750	60	3	

NOTES:

"4EEQHA" LOAD SUMMARY

	LTS	RCPTS	MTRS	HEAT	MISC	TOTAL (KVA)	TOTAL (AMPS)
TOTAL CONNECTED LOAD	0.1	0.0	116.0	0.0	6.8	122.8	147.7
DEMAND FACTOR	SEE DEMAND FACTOR TABLE						
TOTAL DEMAND LOAD	0.1	0.0	121.6	0.0	6.8	128.4	154.4
CONTINUOUS (DESIGN) FACTOR	1.25	1.00	1.00	1.00	1.00		
TOTAL DESIGN LOAD	0.1	0.0	121.6	0.0	6.8	128.4	154.4

4EEQLA	4ECLA(1)	4ECHA
	4ECLA(2)	4EEQHA
	4ECLA(3)	

FULLY SPRINKLERED

CONSTRUCTION DOCUMENTS 100% SUBMITTAL FOR BID	06/13/2012
CONSTRUCTION DOCUMENTS 100% SUBMITTAL	06/22/2011
CONSTRUCTION DOCUMENTS 95% SUBMITTAL	02/01/2011
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