EHP-1

MANUF: SQUARE D — TYPE: NF — V/PH/W: 480V, 3 PHASE, 3 WIRE
A BUS: 225 MLO — N BUS: FULL — G BUS: FULL
AIC: 18000 — ENCL: NEMA 1 — MNTG: SURFACE
NOTES: NEW EQUIPMENT POWER PANEL — NOTES:

DESCRIPTION	TOTAL (VA)	CIRCUIT BRKR A	P	#	Ø	#	CIRCUIT BRKR A	P	TOTAL (VA)	DESCRIPTION
PUMPS P-1, P-2	1663	15		1	A	2	45		7482	RTU-1-S
--	1663			3	B	4			7482	--
--	1663		3	5	C	6		3	7482	--
PUMP P-3	1330	15		7	A	8	20		3048	RTU-1-E
--	1330			9	B	10			3048	--
--	1330		3	11	C	12		3	3048	--
SPACE				13	A	14				SPACE
SPACE				15	B	16				SPACE
SPACE				17	C	18				SPACE
SPACE				19	A	20				SPACE
SPACE				21	B	22				SPACE
SPACE				23	C	24				SPACE
SPACE				25	A	26				SPACE
SPACE				27	B	28				SPACE
SPACE				29	C	30				SPACE

LOAD SUMMARY

	LTG INC	LTG FL/HID	RCPT	MOTOR LRGST	MOTOR OTHER	OTHER	ELECT HEAT	KITCH EQUIP	MISC LOAD	SUB-TOTAL	MEAS LOAD	RMVD LOAD	TOTAL
TOTAL: (KW) A				6.0	10.8					10.8			10.8
B				6.0	10.8					10.8			10.8
C				6.0	10.8					10.8			10.8
TOTAL				18.0	32.5					32.5			32.5
PF (%)	100	95	100	80	80	100	100	100	100		80	100	
TOTAL: (KVA) A				7.5	13.5					13.5			13.5
B				7.5	13.5					13.5			13.5
C				7.5	13.5					13.5			13.5
TOTAL				22.4	40.6					40.6			40.6
NEC FACTORS:													
=<1ST KVA			10										
1ST KVA @ (%)			100										
>1ST& =<2ND KVA													
2ND KVA @ (%)													
>PREV KVA @ (%)			50										
OTHER (%)	125	125	100	25	100	100	100	100	100		125	100	
NEC TOTAL: (KVA) A				1.9	13.5					15.4			15.4
B				1.9	13.5					15.4			15.4
C				1.9	13.5					15.4			15.4
TOTAL				5.6	40.6					46.2			46.2

PHASE BALANCE (%): A-B 100, B-C 100, A-C 100 — PANEL PF (%): 80 — AMPS PER PHASE: A 55.6, B 55.6, C 55.6 — MINIMUM PANEL AMPACITY: 55.6

DP-LH11

MANUF: SQUARE D — TYPE: NEHB — V/PH/W: 480Y/277V, 3 PHASE, 4 WIRE
A BUS: 225 MLO — N BUS: FULL — G BUS: FULL
AIC: 14000 — ENCL: NEMA 1 — MNTG: SURFACE
NOTES: EXISTING PANEL — NOTES:

DESCRIPTION	TOTAL (VA)	CIRCUIT BRKR A	P	#	Ø	#	CIRCUIT BRKR A	P	TOTAL (VA)	DESCRIPTION
PANEL LH1-1	9557	60		1	A	2	50		4000	LT 1-1
--	9000			3	B	4			5000	--
--	5000		3	5	C	6		3	4500	--
SPACE				7	A	8				SPACE
SPACE				9	B	10				SPACE
SPACE				11	C	12				SPACE
SPACE				13	A	14				SPACE
SPACE				15	B	16				SPACE
SPACE				17	C	18				SPACE
SPACE				19	A	20				SPACE
SPACE				21	B	22				SPACE
SPACE				23	C	24				SPACE
SPACE				25	A	26				SPACE
SPACE				27	B	28				SPACE
SPACE				29	C	30				SPACE

LOAD SUMMARY

	LTG INC	LTG FL/HID	RCPT	MOTOR LRGST	MOTOR OTHER	OTHER	ELECT HEAT	KITCH EQUIP	MISC LOAD	SUB-TOTAL	MEAS LOAD	RMVD LOAD	TOTAL
TOTAL: (KW) A		9.1				4.0				13.1			13.1
B		8.6				5.0				13.6			13.6
C		4.8				4.5				9.3			9.3
TOTAL		22.4				13.5				35.9			35.9
PF (%)	100	95	100	80	80	100	100	100	100		80	100	
TOTAL: (KVA) A		9.6				4.0				13.6			13.6
B		9.0				5.0				14.0			14.0
C		5.0				4.5				9.5			9.5
TOTAL		23.6				13.5				37.1			37.1
NEC FACTORS:													
=<1ST KVA			10										
1ST KVA @ (%)			100										
>1ST& =<2ND KVA													
2ND KVA @ (%)													
>PREV KVA @ (%)			50										
OTHER (%)	125	125	100	25	100	100	100	100	100		125	100	
NEC TOTAL: (KVA) A		11.9				4.0				15.9			15.9
B		11.3				5.0				16.3			16.3
C		6.3				4.5				10.8			10.8
TOTAL		29.4				13.5				42.9			42.9

PHASE BALANCE (%): A-B 98, B-C 66, A-C 67 — PANEL PF (%): 97 — AMPS PER PHASE: A 57.6, B 58.7, C 38.8 — MINIMUM PANEL AMPACITY: 58.7

NL2-3

MANUF: SQUARE D — TYPE: NQOD — V/PH/W: 208Y/120V, 3 PHASE, 4 WIRE
A BUS: 225 A MCB: 150 — N BUS: FULL — G BUS: FULL
AIC: 22000 — ENCL: NEMA 1 — MNTG: SURFACE
NOTES: NEW NORMAL POWER PANEL — NOTES:

DESCRIPTION	TOTAL (VA)	CIRCUIT BRKR A	P	#	Ø	#	CIRCUIT BRKR A	P	TOTAL (VA)	DESCRIPTION
RECEPT-STORAGE,ELEC	900	20	1	1	A	2	20	1	180	RCPT-OR5
RECEPT-STORAGE	720	20	1	3	B	4	20	1	180	RCPT-OR6
RECEPT-ANESTESIA EQUIP	720	20	1	5	C	6	20	1		SPARE
RECEPT,REFRIGERATOR-LOUNGE	960	20	1	7	A	8	20	1		SPARE
MICROWAVE-LOUNGE	1200	20	1	9	B	10	20	1		SPARE
RECEPT,REFRIGERATOR-LOUNGE	1140	20	1	11	C	12	20	1		SPARE
DISPOSAL-LOUNGE	1656	20	1	13	A	14	20	1		SPARE
INSTA-HOT-LOUNGE	750	20	1	15	B	16	20	1		SPARE
COFFEE-LOUNGE	1800	20	1	17	C	18	20	1		SPARE
RECEPT-CORRIDOR	360	20	1	19	A	20	20	1		SPARE
HEADWALL- PRE-OP 2-134A	720	20	1	21	B	22	20	1		SPARE
HEADWALL- PRE-OP 2-134B	720	20	1	23	C	24	20	1		SPARE
HEADWALL- PRE-OP 2-134C	720	20	1	25	A	26	20	1		SPARE
HEADWALL- PRE-OP 2-134D	720	20	1	27	B	28	20	1		SPARE
RECEPT-PRE-OP 2-134, 2-134E	900	20	1	29	C	30	20	1		SPARE
RECEPT-PRE-OP 2-134	360	20	1	31	A	32	20	1		SPARE
RECEPT-SURG CLERK OFFICE	360	20	1	33	B	34	20	1		SPARE
SPARE		20	1	35	C	36	20	1		SPARE
SPARE		20	1	37	A	38	20	1		SPARE
SPARE		20	1	39	B	40	20	1		SPARE
SPARE		20	1	41	C	42	20	1		SPARE

LOAD SUMMARY

	LTG INC	LTG FL/HID	RCPT	MOTOR LRGST	MOTOR OTHER	OTHER	ELECT HEAT	KITCH EQUIP	MISC LOAD	SUB-TOTAL	MEAS LOAD	RMVD LOAD	TOTAL
TOTAL: (KW) A			2.9					2.3		5.1			5.1
B			2.7					2.0		4.7			4.7
C			2.9					2.4		5.3			5.3
TOTAL			8.5					6.6		15.1			15.1
PF (%)	100	95	100	80	80	100	100	100	100		80	100	
TOTAL: (KVA) A			2.9					2.3		5.1			5.1
B			2.7					2.0		4.7			4.7
C			2.9					2.4		5.3			5.3
TOTAL			8.5					6.6		15.1			15.1
NEC FACTORS:													
=<1ST KVA			10										
1ST KVA @ (%)			100										
>1ST& =<2ND KVA													
2ND KVA @ (%)													
>PREV KVA @ (%)			50										
OTHER (%)	125	125	100	25	100	100	100	100	100		125	100	
NEC TOTAL: (KVA) A			2.9					2.3		5.1			5.1
B			2.7					2.0		4.7			4.7
C			2.9					2.4		5.3			5.3
TOTAL			8.5					6.6		15.1			15.1

PHASE BALANCE (%): A-B 91, B-C 88, A-C 97 — PANEL PF (%): 100 — AMPS PER PHASE: A 42.8, B 38.8, C 44.0 — MINIMUM PANEL AMPACITY: 44.0

DP-NHB1

MANUF: SQUARE D — TYPE: I-LINE — V/PH/W: 480Y/277V, 3 PHASE, 4 WIRE
A BUS: 400 MLO — N BUS: FULL — G BUS: FULL
AIC: 25000 — ENCL: NEMA 1 — MNTG: SURFACE
NOTES: ALL LOADS EXISTING EXCEPT AS NOTED
+ INDICATES NEW LOAD ON NEW CIRCUIT BREAKER — NOTES: EXISTING PANEL

DESCRIPTION	TOTAL (VA)	CIRCUIT BRKR A	P	#	Ø	#	CIRCUIT BRKR A	P	TOTAL (VA)	DESCRIPTION
PANEL NH2-1	17592	100		1	A	2	150		29098	PANEL NHB-1
--	18800			3	B	4			29098	--
--	16284		3	5	C	6		3	29098	--
PANEL NH1-1	38798	200		7	A	8	70		5136	+ PANEL NL2-3
--	38798			9	B	10			4650	VIA TRANSFORMER NT2-3
--	38798		3	11	C	12		3	5280	--
SPACE				13	A	14				SPACE
SPACE				15	B	16				SPACE
SPACE				17	C	18				SPACE
SPACE				19	A	20				SPACE
SPACE				21	B	22				SPACE
SPACE				23	C	24				SPACE
SPACE				25	A	26				SPACE
SPACE				27	B	28				SPACE
SPACE				29	C	30				SPACE

LOAD SUMMARY

	LTG INC	LTG FL/HID	RCPT	MOTOR LRGST	MOTOR OTHER	OTHER	ELECT HEAT	KITCH EQUIP	MISC LOAD	SUB-TOTAL	MEAS LOAD	RMVD LOAD	TOTAL
TOTAL: (KW) A		13.1	2.9			71.7		2.3		89.9			89.9
B		14.3	2.7			71.7		2.0		90.6			90.6
C		11.9	2.9			71.7		2.4		88.8			88.8
TOTAL		39.2	8.5			215.1		6.6		269.4			269.4
PF (%)	100	95	100	80	80	100	100	100	100		80	100	
TOTAL: (KVA) A		13.8	2.9			71.7		2.3		90.6			90.6
B		15.0	2.7			71.7		2.0		91.3			91.3
C		12.5	2.9			71.7		2.4		89.5			89.5
TOTAL		41.3	8.5			215.1		6.6		271.4			271.4
NEC FACTORS:													
=<1ST KVA			10										
1ST KVA @ (%)			100										
>1ST& =<2ND KVA													
2ND KVA @ (%)													
>PREV KVA @ (%)			50										
OTHER (%)	125	125	100	25	100	100	100	100	100		125	100	
NEC TOTAL: (KVA) A		17.2	2.9			71.7		2.3		94.1			94.1
B		18.8	2.7			71.7		2.0		95.1			95.1
C		15.6	2.9			71.7		2.4		92.6			92.6
TOTAL		51.6	8.5			215.1		6.6		281.7			281.7

PHASE BALANCE (%): A-B 99, B-C 97, A-C 98 — PANEL PF (%): 99 — AMPS PER PHASE: A 339.6, B 343.3, C 334.2 — MINIMUM PANEL AMPACITY: 343.3

ELP-1

MANUF: SQUARE D — TYPE: NQOD — V/PH/W: 208Y/120V, 3 PHASE, 4 WIRE
A BUS: 225 A MCB: 200 — N BUS: FULL — G BUS: FULL
AIC: 22000 — ENCL: NEMA 1 — MNTG: SURFACE
NOTES: ALL LOADS EXISTING EXCEPT AS NOTED
*INDICATES NEW LOAD ON EXISTING CIRCUIT BREAKER
+ INDICATES NEW LOAD ON NEW CIRCUIT BREAKER — NOTES: EXISTING PANEL

DESCRIPTION	TOTAL (VA)	CIRCUIT BRKR A	P	#	Ø	#	CIRCUIT BRKR A	P	TOTAL (VA)	DESCRIPTION
SF4-SF6 LIGHTS	1500	20	1	1	A	2	50		0	SPARE
SF2-SF7 LIGHTS	1500	20	1	3	B	4		2	0	--
SF1-SF3 LIGHTS	1500	20	1	5	C	6	20	1	1000	EXISTING LOAD
SF5-SF8 LIGHTS	1500	20	1	7	A	8	20	1	360	3-301 QUADPLEX
STERILIZER CONTROL	500	20	1	9	B	10	20	1	720	PENTHOUSE RCPT
UH 1, 2, 3, 5	1000	15	1	11	C	12	20	1	500	STERILIZER CONTROL
UH 4, 6, 7, 8	1000	15	1	13	A	14	20	1	500	STERILIZER CONTROL
HEAT TRACE	1000	20	1	15	B	16	20	1	1000	3-301 IRM
* DDC PANELS, CONTROL VALVES	1100	20	1	17	C	18	20	1	540	* RECEPT-ROOF
SPD NEW	1000	20	1	19	A	20	20	1	720	PENTHOUSE RCPT
SPD NEW	1000	20	1	21	B	22	20	1	500	TEMP CONTROL
* HUMIDFIER CONTROL POWER	300	20	1	23	C	24	20	1	500	TEMP CONTROL
STERILIZER CONTROL	500	20	1	25	A	26	20	1	500	TEMP CONTROL
DUCT DETECTORS SECOND FLOOR	500	20	1	27	B	28	20	1	0	SPARE
SPARE	0	40		29	C	30	20		1600	SPD STERILIZER
--	0		2	31	A	32			1600	--
* VAV, VALVE, & PUMP P-3 CONTROL PWR	400	20	1	33	B	34		3	1600	--
SPACE	0			35	C	36	30		2500	EXISTING LOAD
SPD STERILIZERS	2500	30		37	A	38			2500	--
--	2500			39	B	40		3	2500	--
--	2500		3	41	C	42			0	SPACE

LOAD SUMMARY

	LTG INC	LTG FL/HID	RCPT	MOTOR LRGST	MOTOR OTHER	OTHER	ELECT HEAT	KITCH EQUIP	MISC LOAD	SUB-TOTAL	MEAS LOAD	RMVD LOAD	TOTAL
TOTAL: (KW) A		2.9	1.1		.8	9.1				13.8			13.8
B		1.4	.7			10.5	1.0			13.6			13.6
C		1.4	.5		.8	10.0				12.8			12.8
TOTAL		5.7	2.3		1.6	29.6	1.0			40.2			40.2
PF (%)	100	95	100	80	80	100	100	100	100		80	100	
TOTAL: (KVA) A		3.0	1.1		1.0	9.1				14.2			14.2
B		1.5	.7			10.5	1.0			13.7			13.7
C		1.5	.5		1.0	10.0				13.0			13.0
TOTAL		6.0	2.3		2.0	29.6	1.0			40.9			40.9
NEC FACTORS:													
=<1ST KVA			10										
1ST KVA @ (%)			100										
>1ST& =<2ND KVA			0										
2ND KVA @ (%)			0										
>PREV KVA @ (%)			50										
OTHER (%)	125	125	100	25	100	100	100	100	100		125	100	
NEC TOTAL: (KVA) A		3.8	1.1		1.0	9.1				14.9			14.9
B		1.9	.7			10.5	1.0			14.1			14.1
C		1.9	.5		1.0	10.0				13.4			13.4
TOTAL		7.5	2.3		2.0	29.6	1.0			42.4			42.4

PHASE BALANCE (%): A-B 94, B-C 95, A-C 90 — PANEL PF (%): 98 — AMPS PER PHASE: A 124.4, B 117.5, C 111.8 — MINIMUM PANEL AMPACITY: 124.4

LH1-1

MANUF: SQUARE D — TYPE: NEHB — V/PH/W: 480Y/277V, 3 PHASE, 4 WIRE
A BUS: 125 MLO — N BUS: FULL — G BUS: FULL
AIC: 14000 — ENCL: NEMA 1 — MNTG: SURFACE
NOTES: ALL LOADS EXISTING EXCEPT AS NOTED
*INDICATES NEW LOAD ON EXISTING CIRCUIT BREAKER
+ INDICATES NEW LOAD ON NEW CIRCUIT BREAKER — NOTES: EXISTING PANEL

DESCRIPTION	TOTAL (VA)	CIRCUIT BRKR A	P	#	Ø	#	CIRCUIT BRKR A	P	TOTAL (VA)	DESCRIPTION
LOWER LEVEL EM LIGHTS	3000	20	1	1	A	2	20	1	3000	FIRST FLOOR EM LIGHTS
LOWER LEVEL EM LIGHTS	3000	20	1	3	B	4	20	1	3000	FIRST FLOOR EM LIGHTS
ELEVATOR EQUIPMENT LIGHTS	500	20	1	5	C	6	20	1	3000	FIRST FLOOR EM LIGHTS
SECOND FLOOR EM LIGHTS	3000	20	1	7	A	8	20	1	557	+ SECOND FLOOR EM LIGHTS
SECOND FLOOR EM LIGHTS	3000	20	1	9	B	10				SPACE
PENTHOUSE EM LIGHTS	1500	20	1	11	C	12				SPACE
SPACE				13	A	14				SPACE
SPACE				15	B	16				SPACE
SPACE				17	C	18				SPACE
SPACE				19	A	20				SPACE
SPACE				21	B	22				SPACE
SPACE				23	C	24				SPACE
SPACE				25	A	26				SPACE
SPACE				27	B	28				SPACE
SPACE				29	C	30				SPACE

LOAD SUMMARY

	LTG INC	LTG FL/HID	RCPT	MOTOR LRGST	MOTOR OTHER	OTHER	ELECT HEAT	KITCH EQUIP	MISC LOAD	SUB-TOTAL	MEAS LOAD	RMVD LOAD	TOTAL
TOTAL: (KW) A		9.1								9.1			9.1
B		8.6								8.6			8.6
C		4.8								4.8			4.8
TOTAL		22.4								22.4			22.4
PF (%)	100	95	100	80	80	100	100	100	100		80	100	
TOTAL: (KVA) A		9.6								9.6			9.6
B		9.0								9.0			9.0
C		5.0								5.0			5.0
TOTAL		23.6								23.6			23.6
NEC FACTORS:													
=<1ST KVA			10										
1ST KVA @ (%)			100										
>1ST& =<2ND KVA													
2ND KVA @ (%)													
>PREV KVA @ (%)			50										
OTHER (%)	125	125	100	25	100	100	100	100	100		125	100	
NEC TOTAL: (KVA) A		11.9								11.9			11.9
B		11.3								11.3			11.3
C		6.3								6.3			6.3
TOTAL		29.4								29.4			29.4

PHASE BALANCE (%): A-B 94, B-C 56, A-C 52 — PANEL PF (%): 95 — AMPS PER PHASE: A 43.1, B 40.6, C 22.6 — MINIMUM PANEL AMPACITY: 43.1

LL1-1

MANUF: SQUARE D — TYPE: NQOD — V/PH/W: 208Y/120V, 3 PHASE, 4 WIRE
A BUS: 100 A MCB: 100 — N BUS: FULL — G BUS: FULL
AIC: 22000 — ENCL: NEMA 1 — MNTG: SURFACE
NOTES: ALL LOADS EXISTING EXCEPT AS NOTED
*INDICATES NEW LOAD ON EXISTING CIRCUIT BREAKER
+ INDICATES NEW LOAD ON NEW CIRCUIT BREAKER — NOTES: EXISTING PANEL

DESCRIPTION	TOTAL (VA)	CIRCUIT BRKR A	P	#	Ø	#	CIRCUIT BRKR A	P	TOTAL (VA)	DESCRIPTION
SMOKE DUCT DAMPERS	500	20	1	1	A	2	20	1	500	MED GAS ALARM
EXISTING LOAD	1000	20	1	3	B	4	20	1	500	MED GAS ALARM
EXISTING LOAD	1000	20	1	5	C	6	20	1	500	MED GAS ALARM
EXISTING LOAD	1000	20	1	7	A	8	20	1	500	MED GAS ALARM
EXISTING LOAD	1000	20	1	9	B	10	20	1	1000	EXISTING LOAD
EXISTING LOAD	1000	20	1	11	C	12	20	1	1000	EXISTING LOAD
EXISTING LOAD	1000	20	1	13	A	14	30	1	500	MED GAS ALARM
EXISTING LOAD	1000	30	1	15	B	16	20	1	500	+ MED GAS AREA ALARM PANEL "AAP-1"
SPACE				17	C	18	20	1	1000	AUTO DOORS
SPACE				19	A	20				SPACE
SPACE				21	B	22				SPACE
SPACE				23	C	24				SPACE
SPACE				25	A	26				SPACE
SPACE				27	B	28				SPACE
SPACE				29	C	30				SPACE

LOAD SUMMARY

	LTG INC	LTG FL/HID	RCPT	MOTOR LRGST	MOTOR OTHER	OTHER	ELECT HEAT	KITCH EQUIP	MISC LOAD	SUB-TOTAL	MEAS LOAD	RMVD LOAD	TOTAL
TOTAL: (KW) A						4.0				4.0			4.0
B						5.0				5.0			5.0
C						4.5				4.5			4.5
TOTAL						13.5				13.5			13.5
PF (%)	100	95	100	80	80	100	100	100	100		80	100	
TOTAL: (KVA) A						4.0				4.0			4.0
B						5.0				5.0			5.0
C						4.5				4.5			4.5
TOTAL						13.5				13.5			13.5
NEC FACTORS:													
=<1ST KVA			10										
1ST KVA @ (%)			100										
>1ST& =<2ND KVA													
2ND KVA @ (%)													
>PREV KVA @ (%)			50										
OTHER (%)	125	125	100	25	100	100	100	100	100		125	100	
NEC TOTAL: (KVA) A						4.0				4.0			4.0
B						5.0				5.0			5.0
C						4.5				4.5			4.5
TOTAL						13.5				13.5			13.5

PHASE BALANCE (%): A-B 80, B-C 90, A-C 89 — PANEL PF (%): 100 — AMPS PER PHASE: A 33.3, B 41.7, C 37.5 — MINIMUM PANEL AMPACITY: 41.7

NH2-1

MANUF: SQUARE D — TYPE: NEHB — V/PH/W: 480Y/277V, 3 PHASE, 4 WIRE
A BUS: 125 A MCB: 100 — N BUS: FULL — G BUS: FULL
AIC: 14000 — ENCL: NEMA 1 — MNTG: SURFACE
NOTES: * REVISED LOAD ON EXISTING CIRCUIT BREAKER — NOTES: EXISTING PANEL

DESCRIPTION	TOTAL (VA)	CIRCUIT BRKR A	P	#	Ø	#	CIRCUIT BRKR A	P	TOTAL (VA)	DESCRIPTION
SPARE		20		1	A	2	20	1	3000	LIGHTS-WAITING
--				3	B	4	20	1	3000	LIGHTS-ICU AREA
--			3	5	C	6	20	1	3000	LIGHTS-2-189
SPARE		20		7	A	8	20	1	3000	LIGHTS-2-179
--				9	B	10	20	1	3000	LIGHTS-CORRIDOR C2-19
--			3	11	C	12	20	1	3000	LIGHTS-2-176
HW 517 WASH'G	3800	20		13	A	14	20	1	3000	LIGHTS-2-170
--	3800			15	B	16	20	1	3000	LIGHTS-C2-16
--	3800		3	17	C	18	20	1	3000	LIGHTS-C2-14
LIGHTS-2-147	3000	20	1	19	A	20				SPACE
LIGHTS-2-145	3000	20	1	21	B	22				SPACE
* LIGHTS-2-134	484	20	1	23	C	24				SPACE
* LIGHTS-2-ADDITION	1792	20	1	25	A	26				SPACE
LIGHTS-PENTHOUSE	3000	20	1	27	B	28				SPACE
LIGHTS-PENTHOUSE	3000	20	1	29	C	30				SPACE

LOAD SUMMARY

	LTG INC	LTG FL/HID	RCPT	MOTOR LRGST	MOTOR OTHER	OTHER	ELECT HEAT	KITCH EQUIP	MISC LOAD	SUB-TOTAL	MEAS LOAD	RMVD LOAD	TOTAL
TOTAL: (KW) A		13.1				3.8				16.9			16.9
B		14.3				3.8				18.1			18.1
C		11.9				3.8				15.7			15.7
TOTAL		39.2				11.4				50.6			50.6
PF (%)	100	95	100	80	80	100	100	100	100		80	100	
TOTAL: (KVA) A		13.8				3.8				17.6			17.6
B		15.0				3.8				18.8			18.8
C		12.5				3.8				16.3			16.3
TOTAL		41.3				11.4				52.7			52.7
NEC FACTORS:													
=<1ST KVA			10										
1ST KVA @ (%)			100										
>1ST& =<2ND KVA													
2ND KVA @ (%)													
>PREV KVA @ (%)			50										
OTHER (%)	125	125	100	25	100	100	100	100	100		125	100	
NEC TOTAL: (KVA) A		17.2				3.8				21.0			21.0
B		18.8				3.8				22.6			22.6
C		15.6				3.8				19.4			19.4
TOTAL		51.6				11.4				63.0			63.0

PHASE BALANCE (%): A-B 93, B-C 86, A-C 92 — PANEL PF (%): 96 — AMPS PER PHASE: A 76.0, B 81.4, C 70.1 — MINIMUM PANEL AMPACITY: 81.4

LOAD SUMMARY: MCC-EHP1

PREVIOUS PEAK DEMANDS:
PEAK DEMAND FROM MEASURED LOAD TAPES: (01) KW
PEAK DEMAND AT 85% POWER FACTOR: KVA
PEAK DEMAND AFTER 125% PER 2005 N.E.C. 220.87: (01) KVA

LOAD ADDED THIS PROJECT:
PANEL ELP-1 NEW LOADS — 2.2 KVA
PANEL EHP-1 — 46.2 KVA

TOTAL NET LOAD THIS PROJECT: 48.4 KVA
@ 480V, 3 PHASE: 58.2 AMPERES
RATED CAPACITY: 400.0 AMPERES
REMAINING CAPACITY: (01) AMPERES

LOAD SUMMARY: DP-EHB3

PREVIOUS PEAK DEMANDS:
PEAK DEMAND FROM MEASURED LOAD TAPES: (01) KW
PEAK DEMAND AT 85% POWER FACTOR: KVA
PEAK DEMAND AFTER 125% PER 2005 N.E.C. 220.87: (01) KVA

LOAD ADDED THIS PROJECT:
PANEL ELP-1 NEW LOADS — 2.2 KVA
PANEL EHP-1 — 46.2 KVA

TOTAL NET LOAD THIS PROJECT: 48.4 KVA
@ 480V, 3 PHASE: 58.2 AMPERES
RATED CAPACITY: 600.0 AMPERES
REMAINING CAPACITY: (01) AMPERES

LOAD SUMMARY: GENERATOR (SWB-EH11)

PREVIOUS PEAK DEMANDS:
PEAK DEMAND FROM MEASURED LOAD TAPES: (01) KW
PEAK DEMAND AT 85% POWER FACTOR: KVA
PEAK DEMAND AFTER 125% PER 2005 N.E.C. 220.87: (01) KVA

LOAD ADDED THIS PROJECT:
PANEL ELP-1 NEW LOADS — 2.2 KVA
PANEL EHP-1 — 46.2 KVA
PANEL DP-LH11 NEW LOADS — 1.1 KVA
PANEL DP-CH21 NEW LOADS — 66.6 KVA

TOTAL NET LOAD THIS PROJECT: 116.1 KVA
@ 480V, 3 PHASE: 139.6 AMPERES
RATED CAPACITY: 600.0 AMPERES
REMAINING CAPACITY: (01) AMPERES

PLAN KEYED NOTES

(01) CALCULATIONS TO BE FORWARDED UPON COMPLETION OF METERING.

PANEL 'EHP-1'	PANEL 'DP-LH11'	PANEL 'NL2-3'	PANEL 'DP-NHB1'
PANEL 'ELP-1'	PANEL 'LH1-1'	PANEL 'LL1-1'	PANEL 'NH2-1'
LOAD SUM 'MCC-EHP1'	LOAD SUM 'DP-EHB3'	LOAD SUM GENERATOR	

FULLY SPRINKLERED

CONSULTANTS:

CIVIL/STRUCTURAL:
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PLAN NORTH
SCALE: 1/8" = 1'-0"

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Heery Project Number:
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Drawing Title: ELECTRICAL SCHEDULES
Approved: Project Director

Project Title: SURGERY RENOVATION AND EXPANSION
Location: CHEYENNE, WY
Date: 04/24/09 — Checked: JLS — Drawn: JLS

Project Number: VA-259-09-RA-209
Building Number: BLDG. NO. 1
Drawing Number: ES603
Dwg. 43 of 44

Office of Construction and Facilities Management
Department of Veterans Affairs

Revisions — Date

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