PANELBOARD NO: LLB1

SECTION: 1
MOUNTING: SURFACE
LOCATION: 128

VOLTAGE: 208Y/120
PHASE: 3
WIRE: 4
NEUTRAL: 200%

BUS: 100 A
MAIN: 50/3 MCB
INTERRUPTING RATING: 22 KAIC
ELECTRONIC GRADE PANEL: NO

CKT NO.	DESCRIPTION	LOAD (KVA) LTS	REC	MECH	MISC	CIRCUIT BREAKER AMPS	POLES				CIRCUIT BREAKER AMPS	POLES	LOAD (KVA) LTS	REC	MECH	MISC	DESCRIPTION	CKT NO
1	APATMENT LEISURE (B AREA)	1.5				20	1	A			20	1	1.5				APARTMENT LEISURE(A REA)	2
3	NIGHTLIGHT(PATIENT BED RMS)	0.3				20	1		B		20	1	0.3				NIGHTLIGHT(PATIENT BED RMS)	4
5	SPARE					20	1			C	20	1				1.0	FAA RM 202	6
7	FACP - 101				1.0	20	1	A			20	1					SPARE	8
9	FACP - 101				1.0	20	1		B		20	1					SPARE	10
11	SPARE					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	SPACE						1	A				1					SPACE	20
21	SPACE						1		B			1					SPACE	22
23	SPACE						1			C		1					SPACE	24
25	SPACE						1	A				1					SPACE	26
27	SPACE						1		B			1					SPACE	28
29	SPACE						1			C		1					SPACE	30
31	SPACE						1	A				1					SPACE	32
33	SPACE						1		B			1					SPACE	34
35	SPACE						1			C		1					SPACE	36
37	SPACE						1	A				1					SPACE	38
39	SPACE						1		B			1					SPACE	40
41	SPACE						1			C		1					SPACE	42

PANELBOARD NO: LLB1

SUBTOTAL CONNECTED KVA	1.8	0.0	0.0	2.0	1.8	0.0	0.0	1.0	SUBTOTAL CONNECTED KVA
					3.7	0.0	0.0	3.0	TOTAL CONNECTED KVA

PHASE BALANCE

	LTS	REC	MECH	MISC	TOTAL	% DIF
PHASE A CONNECTED KVA	3.0	0.0	0.0	1.0	4.0	80.6
PHASE B CONNECTED KVA	0.7	0.0	0.0	1.0	1.7	−25.4
PHASE C CONNECTED KVA	0.0	0.0	0.0	1.0	1.0	−55.2
AVERAGE PHASE CONNECTED KVA					2.2	

LOAD SUMMARY

LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL	
3.7	0.0	0.0	3.0	6.7	0		CONNECTED KVA
							25% OF THE LARGEST MOTOR
	NOTE 1						DEMAND FACTOR
1.25	1.0	1.0	1.0				CONTINUOUS / NON-CONTINUOUS
4.6	0.0	0.0	3.0	7.6	0.0	7.6	DESIGN KVA
NOTE 1 - 100% OF FIRST 10 KVA + 50% REMAINING						21	DESIGN AMPS

PANELBOARD NO: LHB1

SECTION: 1
MOUNTING: SURFACE
LOCATION: 128

VOLTAGE: 480Y/277
PHASE: 3
WIRE: 4
NEUTRAL: 100%

BUS: 100 A
MAIN: MLO
INTERRUPTING RATING: 35 KAIC
ELECTRONIC GRADE PANEL: NO

CKT NO.	DESCRIPTION	LOAD (KVA) LTS	REC	MECH	MISC	CIRCUIT BREAKER AMPS	POLES				CIRCUIT BREAKER AMPS	POLES	LOAD (KVA) LTS	REC	MECH	MISC	DESCRIPTION	CKT NO
1	SOUTH EMERG LTG	1.9				20	1	A			20	1	0.1				OUTDOOR ENTRANCE	2
3	OUTDOOR ENTRANCE	0.1				20	1		B		20	1					SPARE	4
5	SPARE					20	1			C	20	1					SPARE	6
7	SPARE					20	1	A			20	1					SPARE	8
9	SPARE					20	1		B		20	1					SPARE	10
11	SPARE					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	SPACE						1	A				1					SPACE	20
21	SPACE						1		B			1					SPACE	22
23	SPACE						1			C		1					SPACE	24
25	SPACE						1	A				1					SPACE	26
27	SPACE						1		B			1					SPACE	28
29	SPACE						1			C		1					SPACE	30
31	SPACE						1	A				1					SPACE	32
33	SPACE						1		B			1					SPACE	34
35	SPACE						1			C		1					SPACE	36
37	PNL "LLB1"	3.0	0.0	0.0	1.0	30	3	A				3					SPACE	38
39		0.7	0.0	0.0	1.0				B									40
41		0.0	0.0	0.0	1.0					C								42

PANELBOARD NO: LHB1

SUBTOTAL CONNECTED KVA	5.7	0.0	0.0	3.0	0.1	0.0	0.0	0.0	SUBTOTAL CONNECTED KVA
					5.8	0.0	0.0	3.0	TOTAL CONNECTED KVA

PHASE BALANCE

	LTS	REC	MECH	MISC	TOTAL	% DIF
PHASE A CONNECTED KVA	5.0	0.0	0.0	1.0	6.0	105.9
PHASE B CONNECTED KVA	0.8	0.0	0.0	1.0	1.8	−40.1
PHASE C CONNECTED KVA	0.0	0.0	0.0	1.0	1.0	−65.8
AVERAGE PHASE CONNECTED KVA					2.9	

LOAD SUMMARY

LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL	
5.8	0.0	0.0	3.0	8.8	0		CONNECTED KVA
							25% OF THE LARGEST MOTOR
	NOTE 1						DEMAND FACTOR
1.25	1.0	1.0	1.0				CONTINUOUS / NON-CONTINUOUS
7.2	0.0	0.0	3.0	10.2	0.0	10.2	DESIGN KVA
NOTE 1 - 100% OF FIRST 10 KVA + 50% REMAINING						12	DESIGN AMPS

PANELBOARD NO: CLA1

SECTION: 1
MOUNTING: SURFACE
LOCATION: 115

VOLTAGE: 208Y/120
PHASE: 3
WIRE: 4
NEUTRAL: 200%

BUS: 225 A
MAIN: 100/3 MCB
INTERRUPTING RATING: 22 KAIC
ELECTRONIC GRADE PANEL: NO

CKT NO.	DESCRIPTION	LOAD (KVA) LTS	REC	MECH	MISC	CIRCUIT BREAKER AMPS	POLES				CIRCUIT BREAKER AMPS	POLES	LOAD (KVA) LTS	REC	MECH	MISC	DESCRIPTION	CKT NO
1	NIGHTLT (PATIENT BED RMS-B)	0.3				20	1	A			20	1	0.3				NIGHTLT (PATIENT BED RMS-A)	2
3	NURSE STATION	1.3				20	1		B		20	1					SPARE	4
5	SPARE					20	1			C	20	1					SPARE	6
7	RECEPTACLES RM #115		0.2			20	1	A			20	1		0.2			RECEPTACLES RM #128	8
9	RECEPTACLES RM #116		0.2			20	1		B		20	1		0.2			RECEPTACLES RM #129	10
11	RECEPTACLES RM #112,101		0.4			20	1			C	20	1		1.0			RECEPTACLES RM #130	12
13	RECEPTACLES RM #202		0.6			20	1	A			20	1		1.0			RECEPTACLES RM #130	14
15	RECEPTACLES RM #105		0.4			20	1		B		20	1		1.0			RECEPTACLES RM #130	16
17	ITEM E04 RM #112				1.5	20	1			C	20	1		1.2			ITEM E03 RM #107	18
19	PA RM #120				1.0	20	1	A			20	1		1.2			ITEM E03 RM #107	20
21	ITEM E03 RM #114		1.2			20	1		B		20	1		1.2			GENERATOR RECEPT.	22
23	SPARE					20	1			C	20	1		0.5			BATTERY CHARGER	24
25	SPARE					20	1	A			20	1		1.5			GEN OIL PAN HEATER	26
27	SPARE					20	1		B		20	1			0.9		FOP-01	28
29	SPARE					20	1			C	20	1			0.9		FOP-02	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	DAY TANK			1.0		15	3	A			20	1					SPARE	38
39				1.0					B		20	2			1.5		JACKET WATER HEATER	40
41				1.0						C					1.5			42

PANELBOARD NO: CLA1

SUBTOTAL CONNECTED KVA	1.6	3.0	3.0	2.5	0.3	9.0	4.8	0.0	SUBTOTAL CONNECTED KVA
					1.9	12.0	7.8	2.5	TOTAL CONNECTED KVA

PHASE BALANCE

	LTS	REC	MECH	MISC	TOTAL	% DIF
PHASE A CONNECTED KVA	0.7	4.7	1.0	1.0	7.4	−8.8
PHASE B CONNECTED KVA	1.3	4.2	3.4	0.0	8.9	9.8
PHASE C CONNECTED KVA	0.0	3.1	3.4	1.5	8.0	−1.0
AVERAGE PHASE CONNECTED KVA					8.1	

LOAD SUMMARY

LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL	
1.9	12.0	7.8	2.5	24.2	0		CONNECTED KVA
							25% OF THE LARGEST MOTOR
	NOTE 1						DEMAND FACTOR
1.25	1.0	1.0	1.0				CONTINUOUS / NON-CONTINUOUS
2.4	11.0	7.8	2.5	23.7	0.0	23.7	DESIGN KVA
NOTE 1 - 100% OF FIRST 10 KVA + 50% REMAINING						66	DESIGN AMPS

PANELBOARD NO: CHA1

SECTION: 1
MOUNTING: SURFACE
LOCATION: 115

VOLTAGE: 480Y/277
PHASE: 3
WIRE: 4
NEUTRAL: 100%

BUS: 100 A
MAIN: MLO
INTERRUPTING RATING: 35 KAIC
ELECTRONIC GRADE PANEL: NO

CKT NO.	DESCRIPTION	LOAD (KVA) LTS	REC	MECH	MISC	CIRCUIT BREAKER AMPS	POLES				CIRCUIT BREAKER AMPS	POLES	LOAD (KVA) LTS	REC	MECH	MISC	DESCRIPTION	CKT NO
1	SERVICE LIGHTING (B AREA)	0.4				20	1	A			20	1	0.4				SERVICE LIGHTING (A AREA)	2
3	SPARE					20	1		B		20	1					SPARE	4
5	SPARE					20	1			C	20	1					SPARE	6
7	SPARE					20	1	A			20	1					SPARE	8
9	SPARE					20	1		B		20	1					SPARE	10
11	SPARE					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	SPACE						1		B			1					SPACE	22
23	SPACE						1			C		1					SPACE	24
25	SPACE						1	A				1					SPACE	26
27	SPACE						1		B			1					SPACE	28
29	SPACE						1			C		1					SPACE	30
31	SPACE						1	A				1					SPACE	32
33	SPACE						1		B			1					SPACE	34
35	SPACE						1			C		1					SPACE	36
37	PNL "CLA1"	0.7	4.7	1.0	1.0	50	3	A				3					SPACE	38
39		1.3	4.2	3.4	0.0				B									40
41		0.0	3.1	3.4	1.5					C								42

PANELBOARD NO: CHA1

SUBTOTAL CONNECTED KVA	2.4	12.0	7.8	2.5	0.4	0.0	0.0	0.0	SUBTOTAL CONNECTED KVA
					2.8	12.0	7.8	2.5	TOTAL CONNECTED KVA

PHASE BALANCE

	LTS	REC	MECH	MISC	TOTAL	% DIF
PHASE A CONNECTED KVA	1.5	4.7	1.0	1.0	8.2	−1.8
PHASE B CONNECTED KVA	1.3	4.2	3.4	0.0	8.9	6.1
PHASE C CONNECTED KVA	0.0	3.1	3.4	1.5	8.0	−4.3
AVERAGE PHASE CONNECTED KVA					8.4	

LOAD SUMMARY

LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL	
2.8	12.0	7.8	2.5	25.1	0		CONNECTED KVA
							25% OF THE LARGEST MOTOR
	NOTE 1						DEMAND FACTOR
1.25	1.0	1.0	1.0				CONTINUOUS / NON-CONTINUOUS
3.5	11.0	7.8	2.5	24.8	0.0	24.8	DESIGN KVA
NOTE 1 - 100% OF FIRST 10 KVA + 50% REMAINING						30	DESIGN AMPS

PANELBOARD NO: QLA1

SECTION: 1
MOUNTING: SURFACE
LOCATION: 115

VOLTAGE: 208Y/120
PHASE: 3
WIRE: 4
NEUTRAL: 200%

BUS: 100 A
MAIN: 100/3 MCB
INTERRUPTING RATING: 22 KAIC
ELECTRONIC GRADE PANEL: NO

CKT NO.	DESCRIPTION	LOAD (KVA) LTS	REC	MECH	MISC	CIRCUIT BREAKER AMPS	POLES				CIRCUIT BREAKER AMPS	POLES	LOAD (KVA) LTS	REC	MECH	MISC	DESCRIPTION	CKT NO
1	EF-03			0.1		20	1	A			20	1			0.1		EF-04	2
3	BCP-02 (0.5 HP)			1.2		20	1		B		20	1			0.5		HWHB-01	4
5	BCP-03 (0.5 HP)			1.2		20	1			C	20	1			0.5		HWHB-02	6
7	SPARE					20	1	A			20	1			0.5		HWHB-03	8
9	SPARE					20	1		B		20	1			0.4		ROOF SG-01 (3A)	10
11	ITEM E04 RM#202	1.0				20	1			C	20	1		1.0			ITEM E04 RM#202	12
13	BCP-01 (0.5 HP)			1.2		20	1	A			20	1				1.0	AIR TERMINAL UNITS - 201	14
15	RTU-01 HEAT TRACE				1.0	20	1		B		20	1				1.0	AIR TERMINAL UNITS - 301	16
17	RTU-01 HEAT TRACE				1.0	20	1			C	20	1					SPARE	18
19	RTU-02 HEAT TRACE				1.0	20	1	A			20	1					SPARE	20
21	RTU-02 HEAT TRACE				1.0	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	SPACE						1	A				1					SPACE	32
33	SPACE						1		B			1					SPACE	34
35	SPACE						1			C		1					SPACE	36
37	SPACE						1	A				1					SPACE	38
39	SPACE						1		B			1					SPACE	40
41	SPACE						1			C		1					SPACE	42

PANELBOARD NO: QLA1

SUBTOTAL CONNECTED KVA	0.0	1.0	3.7	4.0	0.0	1.0	2.0	2.0	SUBTOTAL CONNECTED KVA
					0.0	2.0	5.7	6.0	TOTAL CONNECTED KVA

PHASE BALANCE

	LTS	REC	MECH	MISC	TOTAL	% DIF
PHASE A CONNECTED KVA	0.0	0.0	1.9	2.0	3.9	−14.6
PHASE B CONNECTED KVA	0.0	0.0	2.1	3.0	5.1	11.7
PHASE C CONNECTED KVA	0.0	2.0	1.7	1.0	4.7	2.9
AVERAGE PHASE CONNECTED KVA					4.6	

LOAD SUMMARY

LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL	
0.0	2.0	5.7	6.0	13.7	0		CONNECTED KVA
							25% OF THE LARGEST MOTOR
	NOTE 1						DEMAND FACTOR
1.25	1.0	1.0	1.0				CONTINUOUS / NON-CONTINUOUS
0.0	2.0	5.7	6.0	13.7	0.0	13.7	DESIGN KVA
NOTE 1 - 100% OF FIRST 10 KVA + 50% REMAINING						38	DESIGN AMPS

PANEL SCHEDULE KEY		
	LLB1	LHB1
CLA1	CHA1	QLA1

FULLY SPRINKLERED

Revisions: Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

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Drawing Title: POWER SCHEDULES SHEET 3

Approved: Project Director

Project Title: V.A. RICHMOND POLYTRAUMA TRANSITIONAL REHABILITATION CENTER

Location: HUNTER HOLMES McGUIRE

Date: 07/24/2008 | Checked: JSB | Drawn: JSB

Project Number: V101BP 0241 652-307

Building Number

Drawing Number: ES6-104

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