PANELBOARD NO: QHA1

SECTION: 1
MOUNTING: SURFACE
LOCATION: 115

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

BUS: 225 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	PNL "QLA1"	0.0	0.0	1.9	2.0	50	3	A		20	3			2.1		HWHP-01	2
3		0.0	0.0	2.1	3.0				B					2.1		5 HP	4
5		0.0	2.0	1.7	1.0				C					2.1			6
7	EF-01				0.8	15	3	A		15	3			0.8		EF-02	8
9	1.5 HP				0.8				B					0.8		1.5 HP	10
11					0.8				C					0.8			12
13	SPACE						1	A		125	3			33.3		RTU-01	14
15	SPACE						1		B					33.3			16
17	SPACE						1							33.3			18
19	SPACE						1	A			1					SPACE	20
21	SPACE						1		B		1					SPACE	22
23	SPACE						1				1					SPACE	24
25	SPACE						1	A			1					SPACE	26
27	SPACE						1		B		1					SPACE	28
29	SPACE						1				1					SPACE	30
31	SPACE						1	A			1					SPACE	32
33	SPACE						1		B		1					SPACE	34
35	SPACE						1				1					SPACE	36
37	SPACE						1	A			1					SPACE	38
39	SPACE						1		B		1					SPACE	40
41	SPACE						1				1					SPACE	42

PANELBOARD NO: QHA1

SUBTOTAL CONNECTED KVA	0.0	2.0	5.7	8.5	0.0	0.0	108.7	0.0	SUBTOTAL CONNECTED KVA
					0.0	2.0	114.4	8.5	TOTAL CONNECTED KVA

PHASE BALANCE

	LTS	REC	MECH	MISC	TOTAL	% DIF
PHASE A CONNECTED KVA	0.0	0.0	38.1	2.8	41.0	−1.6
PHASE B CONNECTED KVA	0.0	0.0	38.3	3.8	42.2	1.3
PHASE C CONNECTED KVA	0.0	2.0	37.9	1.8	41.8	0.3
AVERAGE PHASE CONNECTED KVA					41.6	

LOAD SUMMARY

LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL	
0.0	2.0	114.4	8.5	124.9	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	114.4	8.5	124.9	0.0	124.9	DESIGN KVA
NOTE 1 – 100% OF FIRST 10 KVA + 50% REMAINING						150	DESIGN AMPS

PANELBOARD NO: GDP

SECTION: 1
MOUNTING: SURFACE
LOCATION: 115

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

BUS: 400 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	PNL "LHB1"	5.0	0.0	0.0	1.0	100	3	A		100	3	1.5	4.7	1.0	1.0	PNL "CHA1"	2
3		0.8	0.0	0.0	1.0				B			1.3	4.2	3.4	0.0		4
5		0.0	0.0	0.0	1.0				C			0.0	3.1	3.4	1.5		6
7	PNL "QHA1"	0.0	0.0	38.1	2.8	225	3	A			3					SPACE	8
9		0.0	0.0	38.3	3.8				B								10
11		0.0	2.0	37.9	1.8				C								12
13	SPACE						3	A			3					SPACE	14
15									B								16
17									C								18
19	SPACE						3	A			3					SPACE	20
21									B								22
23									C								24
25								A									26
27									B								28
29									C								30
31								A									32
33									B								34
35									C								36
37								A									38
39									B								40
41									C								42

PANELBOARD NO: GDP

SUBTOTAL CONNECTED KVA	5.8	2.0	114.4	11.5	2.8	12.0	7.8	2.5	SUBTOTAL CONNECTED KVA
					8.5	14.0	122.2	14.0	TOTAL CONNECTED KVA

PHASE BALANCE

	LTS	REC	MECH	MISC	TOTAL	% DIF
PHASE A CONNECTED KVA	6.5	4.7	39.1	4.8	55.2	4.3
PHASE B CONNECTED KVA	2.0	4.2	41.7	4.8	52.8	−0.2
PHASE C CONNECTED KVA	0.0	5.1	41.3	4.3	50.8	−4.1
AVERAGE PHASE CONNECTED KVA					52.9	

LOAD SUMMARY

LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL	
8.5	14.0	122.2	14.0	158.7	0		CONNECTED KVA
							25% OF THE LARGEST MOTOR
	NOTE 1						DEMAND FACTOR
1.25	1.0	0.9	1.0				CONTINUOUS / NON-CONTINUOUS
10.7	12.0	103.9	14.0	140.5	0.0	140.5	DESIGN KVA
NOTE 1 – 100% OF FIRST 10 KVA + 50% REMAINING						169	DESIGN AMPS

PANELBOARD NO: MDA1

SECTION: 1
MOUNTING: SURFACE
LOCATION: 115

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

BUS: 800 A
MAIN: 800/3 MCB
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	SPACE						3	A		200	3			53.3		RTU-02	2
3									B					53.3			4
5									C					53.3			6
7	PNL "NHA1"	7.2	12.2	4.5	5.2	225	3	A		20	3			2.1		HWHP-02	8
9		4.1	11.7	6.1	0.0				B					2.1		5HP	10
11		0.7	15.1	5.9	1.0				C					2.1			12
13	ATS	6.5	4.7	39.1	4.8	400	3	A		125	3	5.5	24.3	0.0	2.0	PNL "NLB1"	14
15	PNL "GDP"	2.0	4.2	41.7	4.8				B			4.9	26.0	0.0	0.0		16
17		0.0	5.1	41.3	4.3				C			4.3	20.8	0.0	1.0		18
19	SPACE						3	A			3					SPACE	20
21									B								22
23									C								24
25	SPACE						3	A			3					SPACE	26
27									B								28
29									C								30
31								A									32
33									B								34
35									C								36
37								A									38
39									B								40
41									C								42

PANELBOARD NO: MDA1

SUBTOTAL CONNECTED KVA	20.6	53.0	138.7	20.2	14.7	71.1	166.2	3.0	SUBTOTAL CONNECTED KVA
					35.2	124.1	304.9	23.2	TOTAL CONNECTED KVA

PHASE BALANCE

	LTS	REC	MECH	MISC	TOTAL	% DIF
PHASE A CONNECTED KVA	19.2	41.2	99.0	12.0	171.5	5.6
PHASE B CONNECTED KVA	11.0	41.9	103.2	4.8	160.9	−0.9
PHASE C CONNECTED KVA	5.0	41.0	102.6	6.3	154.9	−4.6
AVERAGE PHASE CONNECTED KVA					162.5	

LOAD SUMMARY

LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL	
35.2	124.1	304.9	23.2	487.4	0		CONNECTED KVA
							25% OF THE LARGEST MOTOR
	NOTE 1						DEMAND FACTOR
1.25	1.0	1.0	1.0				CONTINUOUS / NON-CONTINUOUS
44.0	67.0	304.9	23.2	439.1	0.0	439.1	DESIGN KVA
NOTE 1 – 100% OF FIRST 10 KVA + 50% REMAINING						528	DESIGN AMPS

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PANELBOARD NO: NLA2

SECTION: 1
MOUNTING: SURFACE
LOCATION: 115

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

BUS: 100 A
MAIN: MLO
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	BBQ PITT, WEST SIDE		0.2			20	1	A		20	1					SPARE	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	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	SPACE							A								SPACE	32
33	SPACE								B							SPACE	34
35	SPACE								C							SPACE	36
37	SPACE							A								SPACE	38
39	SPACE								B							SPACE	40
41	SPACE								C							SPACE	42

PANELBOARD NO: NLA2

SUBTOTAL CONNECTED KVA	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	SUBTOTAL CONNECTED KVA
					0.0	0.2	0.0	0.0	TOTAL CONNECTED KVA

PHASE BALANCE

	LTS	REC	MECH	MISC	TOTAL	% DIF
PHASE A CONNECTED KVA	0.0	0.2	0.0	0.0	0.2	200.0
PHASE B CONNECTED KVA	0.0	0.0	0.0	0.0	0.0	−100.0
PHASE C CONNECTED KVA	0.0	0.0	0.0	0.0	0.0	−100.0
AVERAGE PHASE CONNECTED KVA					0.1	

LOAD SUMMARY

LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL	
0.0	0.2	0.0	0.0	0.2	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	0.2	0.0	0.0	0.2	0.0	0.2	DESIGN KVA
NOTE 1 – 100% OF FIRST 10 KVA + 50% REMAINING						0	DESIGN AMPS

PANEL SCHEDULE KEY		
QHA1	GDP	MDA1
NLA2	NRA2	

FULLY SPRINKLERED

Revisions:	Date
Amendment 1	09/11/08
Amendment 2	09/18/08
Bulletin 2	05/18/09
3 Bulletin 3	05/22/09

CONSULTANTS:

ARCHITECT/ENGINEERS:

HDR Architecture, Inc

1101 King Street | Suite 400 | Alexandria, Virginia 22314-2944 | 703.518.8500
5426 Bay Center Drive | Suite 400 | Tampa, Florida 33609-3444 | 813.282.2493

Drawing Title: POWER SCHEDULES SHEET 4

Approved: Project Director

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

Location: HUNTER HOLMES McGUIRE

Date: 05/18/2009 | Checked: JSB | Drawn: JSB

Project Number: V101BP 0241 652-307

Building Number

Drawing Number: ES6-105

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