PANELBOARD NO: NLA1(1)

SECTION: 1 OF 2
MOUNTING: SURFACE
LOCATION: 115

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

BUS: 225 A
MAIN: 225/3 MCB W/THRU-FEED LUGS
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	PATIENT BEDROOMS	1.1				20	1	A		20	1	1.0				PATIENT BEDROOMS	2
3	OFFICE/TREAT/NURSE AREA	0.5				20	1		B	20	1	0.5				APARTMENT LEISURE	4
5	FOUNTAIN ENTRANCE LTG	0.1				20	1			20	1	0.1				ZENGARDEN LIGHTING	6
7	FOUNTAIN PUMP				1.6	20	1	A		20	1				1.6	FOUNTAIN PUMP	8
9	RECEPTACLES RM #113			1.0		20	1		B	20	1		0.6			FURNITURE SYSTEM RM #152	10
11	RECEPTACLES RM #156			1.0		20	1			20	1		1.2			FURNITURE SYSTEM RM #152	12
13	STAIR CL RM #156			1.0		20	1	A		20	1		0.4			FURNITURE SYSTEM RM #152	14
15	BIKE RM #156			1.0		20	1		B	20	1		0.8			FURNITURE SYSTEM RM #152	16
17	BOBATH MAT RM #156			1.0		20	1			20	1		0.8			RECEPTACLES RM #153	18
19	EQUALIZER RM #156			1.0		20	1	A		20	1		0.8			RECEPTACLES RM #145	20
21	TREADMILL RM #156			1.0		20	1		B	20	1		0.6			RECEPTACLES RM #142	22
23	TREADMILL RM #156			1.0		20	1			20	1		1.2			RECEPTACLES RM #142	24
25	TREADMILL RM #156			1.0		20	1	A		20	1		1.0			RECEPTACLES RM #105	26
27	CYBEX UNIT RM #156			1.0		20	1		B	20	1		1.4			RECEPTACLES RM #103	28
29	PLUG-IN RECEPT RM #155			1.2		20	1			20	1		0.8			ITEM E07 & RECEPT RM #104	30
31	PLUG-IN RECEPT RM #155			1.2		20	1	A		20	1				1.0	AIR TERMINAL UNITS - 103	32
33	FURNITURE SYSTEM RM #157		0.8			20	1		B	20	1		1.0			RECEPTACLES RM #151	34
35	FURNITURE SYSTEM RM #157		1.6			20	1			20	1		1.0			HYDRA TABLE RM #151	36
37	FURNITURE SYSTEM RM #157		0.4			20	1	A		20	1		1.0			HYDRA TABLE RM #151	38
39	FURNITURE SYSTEM RM #157		0.8			20	1		B	20	1		1.2			RECEPTACLES RM #152	40
41	COUNTER #156		0.4			20	1			20	1		0.5			ITEM E07 RM #210	42

PANELBOARD NO: NLA1(1)

SUBTOTAL CONNECTED KVA	1.7	4.0	12.4	1.6	1.6	14.3	0.0	2.6	SUBTOTAL CONNECTED KVA
					3.3	18.3	12.4	4.2	TOTAL CONNECTED KVA

PANELBOARD NO: *NLA1(2)*

SECTION: 2 OF 2
MOUNTING: SURFACE
LOCATION: 115

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

BUS: 225 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
43	ITEM E02 RM#206		1.2			20	1	A		20	1		0.6			RECEPTACLES RM #231	44
45	RECEPTACLES RM #206		0.8			20	1		B	20	1		0.4			RECEPTACLES RM #231	46
47	ITEM E02 #114		1.2			20	1		C	20	1		0.6			RECEPTACLES RM #233	48
49	ITEM E02 #114		1.2			20	1	A		20	1		0.6			RECEPTACLES RM #241	50
51	ITEM E011 #206		0.8			20	1		B	20	1		0.4			RECEPTACLES RM #241	52
53	RECEPTACLES RM #223		0.4			20	1		C	20	1		0.6			RECEPTACLES RM #243	54
55	RECEPTACLES RM #210		0.5			20	1	A		20	1		0.6			RECEPTACLES RM #224	56
57	RECEPTACLES OUTDOOR		0.4			20	1		B	20	1		0.4			RECEPTACLES RM #224	58
59	RECEPTACLES RM #202		0.8			20	1		C	20	1		0.6			RECEPTACLES RM #226	60
61	PLUG-IN RECEPT #210		0.5			20	1	A		20	1		0.6			RECEPTACLES RM #253	62
63	ITEM E07 RM #104		0.5			20	1		B	20	1		0.4			RECEPTACLES RM #253	64
65	RECEPTACLES RM #203		1.2			20	1		C	20	1		0.6			RECEPTACLES RM #251	66
67	RECEPTACLES RM #106		1.2			20	1	A		20	1		0.6			RECEPTACLES RM #221	68
69	ROOF SG-02 (3A)			0.4		20	1		B	20	1		0.4			RECEPTACLES RM #221	70
71	RECEPT/LTS - RTU-02		1.0			20	1		C	20	1		0.6			RECEPTACLES RM #255	72
73	RECEPT/LTS - RTU-02		1.0			20	1	A		20	1			0.3		RM 101 CUH-01	74
75	BCP-04 (0.5 HP)			1.2		20	1		B	20	1					SPARE	76
77	BCP-05 (0.5 HP)			1.2		20	1		C	20	1					AIR TERMINAL UNITS 103	78
79	PANEL "NLA2"	0.0	0.2	0.0	0.0	100	3	A		20	1					SPARE	80
81		0.0	0.0	0.0	0.0				B	20	1			0.5		HWHB-04	82
83		0.0	0.0	0.0	0.0				C	20	1			0.5		HWHB-05	84

PANELBOARD NO: NLA1(2)

SUBTOTAL CONNECTED KVA	0.0	12.9	2.8	0.0	0.0	8.0	1.3	1.0	SUBTOTAL CONNECTED KVA
					0.0	20.9	4.1	1.0	TOTAL CONNECTED KVA

PHASE BALANCE	LTS	REC	MECH	MISC	TOTAL	% DIF
PHASE A CONNECTED KVA	2.1	12.4	4.5	4.2	23.1	8.2
PHASE B CONNECTED KVA	0.9	11.7	6.1	0.0	18.7	-12.4
PHASE C CONNECTED KVA	0.3	15.1	5.9	1.0	22.3	4.1
AVERAGE PHASE CONNECTED KVA					21.4	

LOAD SUMMARY LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL	
3.3	39.2	16.5	5.2	64.1	0		CONNECTED KVA
							25% OF THE LARGEST MOTOR
	NOTE 1						DEMAND FACTOR
1.25	1.0	1.0	1.0				CONTINUOUS / NON-CONTINUOUS
4.1	24.6	16.5	5.2	50.4	0.0	50.4	DESIGN KVA
NOTE 1 - 100% OF FIRST 10 KVA + 50% REMAINING						140	DESIGN AMPS

208 PANEL VOLTAGE

PANELBOARD NO: NLB1(1)

SECTION: 1 OF 2
MOUNTING: SURFACE
LOCATION: 128

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

BUS: 225 A
MAIN: 225/3 MCB W/THRU-FEED LUGS
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	PATIENT BEDROOMS	1.0				20	1	A		20	1		1.0			PATIENT BEDROOMS	2
3	ITEM E07 RM #310		0.5			20	1		B	20	1		0.5			APARTMENT LEISURE	4
5	EXTERIOR FOUNTAIN PUMP				1.0	20	1		C	20	1		0.5			PLUG-IN RECEPT #310	6
7	RECEPTACLES OUTDOOR		1.0			20	1	A		20	1		1.0			TREADMILL TEST RM#171	8
9	RECEPTACLES OUTDOOR		1.2			20	1		B	20	1		1.0			BAILLY WORK RM#171	10
11	RECEPTACLES OUTDOOR		0.8			20	1		C	20	1		1.0			HI-LO ASSESS RM#171	12
13	RECEPTACLES RM #103		1.0			20	1	A		20	1		1.0			BENCH RM#171	14
15	RECEPTACLES RM #127		1.0			20	1		B	20	1		1.0			LIFT AND PLACE RM#171	16
17	RECEPTACLES RM #182		0.6			20	1		C	20	1		1.0			BTE RM#171	18
19	RECEPTACLES RM #182		1.2			20	1	A		20	1		0.8			RECEPTACLES RM#172	20
21	RECEPTACLES RM #125		1.0			20	1		B	20	1		1.2			RECEPTACLES RM#172	22
23	RECEPTACLES RM #175		0.4			20	1		C	20	1		1.2			RECEPTACLES RM#165	24
25	RECEPTACLES RM #175		0.4			20	1	A		20	1		0.6			RECEPTACLES RM#165	26
27	PLUG-IN RECEPT RM#176		0.8			20	1		B	20	1		1.2			RECEPTACLES RM#167	28
29	PLUG-IN RECEPT RM#176		0.8			20	1		C	20	1		0.6			ITEM E07 & RECEPT RM#168	30
31	PLUG-IN RECEPT RM#176		1.0			20	1	A		20	1				1.0	AIR TERMINAL UNITS - 103	32
33	RECEPTACLE - ROOF		0.4			20	1		B	20	1		1.0			CCTV RM #181	34
35	ITEM E02 RM#107		1.0			20	1		C	20	1		1.2			RECEPTACLES RM#176	36
37	ITEM E02 RM#107		1.0			20	1	A		20	1		1.0			WALPAR RM #171	38
39	SPARE					20	1		B	20	1					SPARE	40
41	SPARE					20	1		C	20	1					SPARE	42

PANELBOARD NO: NLB1(1)

SUBTOTAL CONNECTED KVA	1.0	14.1	0.0	1.0	13.6	3.2	0.0	1.0	SUBTOTAL CONNECTED KVA
					14.7	17.3	0.0	2.0	TOTAL CONNECTED KVA

PANELBOARD NO: NLB1(2)

SECTION: 2 OF 2
MOUNTING: SURFACE
LOCATION: 128

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

BUS: 225 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
43	RECEPTACLES RM#130		0.6			20	1	A		20	1		0.6			RECEPTACLES RM#343	44
45	RECEPTACLES RM#130		0.6			20	1		B	20	1		0.4			RECEPTACLES RM#343	46
47	RECEPTACLES RM#305		0.4			20	1		C	20	1		0.6			RECEPTACLES RM#341	48
49	RECEPTACLES RM#305		0.4			20	1	A		20	1		0.6			RECEPTACLES RM#334	50
51	RECEPTACLES RM#125		1.0			20	1		B	20	1		0.4			RECEPTACLES RM#334	52
53	RECEPTACLES RM#310		0.5			20	1		C	20	1		0.6			RECEPTACLES RM#331	54
55	RECEPTACLES RM#357		0.4			20	1	A		20	1		0.6			RECEPTACLES RM#353	56
57	RECEPTACLES RM#302		0.8			20	1		B	20	1		0.4			RECEPTACLES RM#353	58
59	RECEPTACLES RM#303		0.8			20	1		C	20	1		0.6			RECEPTACLES RM#351	60
61	RECEPTACLES RM#109		0.8			20	1	A		20	1		0.6			RECEPTACLES RM#323	62
63	RECEPTACLES RM#108		0.6			20	1		B	20	1		0.4			RECEPTACLES RM#323	64
65	RECEPTACLES RM#162		0.6			20	1		C	20	1		0.6			RECEPTACLES RM#325	66
67	RECEPTACLES RM#162		1.2			20	1	A		20	1		0.6			RECEPTACLES RM#355	68
69	ELEC MANHOLE		1.0			20	1		B	20	1		0.4			RECEPTACLES RM#355	70
71	ELEC MANHOLE		1.0			20	1		C	20	1		0.6			RECEPTACLES RM#332	72
73	ELEC MANHOLE		1.0			20	1	A		20	1				1.0	AIR TERMINAL UNITS - 103	74
75	SPARE					20	1		B	20	1					RECEPTACLES RM#354	76
77	SPARE					20	1		C	20	1					SPARE	78
79	PANEL "NLB2"	0.0	10.3	0.0	0.0	100	3	A		1						SPACE	80
81		0.0	14.1	0.0	0.0				B	1						SPACE	82
83		0.0	9.7	0.0	0.0				C	1						SPACE	84

PANELBOARD NO: NLB1(2)

SUBTOTAL CONNECTED KVA	0.0	45.8	0.0	0.0	0.0	8.0	0.0	1.0	SUBTOTAL CONNECTED KVA
					0.0	53.8	0.0	1.0	TOTAL CONNECTED KVA

PHASE BALANCE	LTS	REC	MECH	MISC	TOTAL	% DIF
PHASE A CONNECTED KVA	5.5	24.3	0.0	2.0	31.8	7.4
PHASE B CONNECTED KVA	4.9	26.0	0.0	0.0	30.9	4.3
PHASE C CONNECTED KVA	4.3	20.8	0.0	1.0	26.1	-11.7
AVERAGE PHASE CONNECTED KVA					29.6	

LOAD SUMMARY LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL	
14.7	71.1	0.0	3.0	88.7	0		CONNECTED KVA
							25% OF THE LARGEST MOTOR
	NOTE 1						DEMAND FACTOR
1.25	1.0	1.0	1.0				CONTINUOUS / NON-CONTINUOUS
18.3	40.5	0.0	3.0	61.8	0.0	61.8	DESIGN KVA
NOTE 1 - 100% OF FIRST 10 KVA + 50% REMAINING						172	DESIGN AMPS

208 PANEL VOLTAGE

PANELBOARD NO: *NLB2*

SECTION: 1
MOUNTING: SURFACE
LOCATION: 128

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

BUS: 225 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	RECEPTACLES RM#107		0.4			20	1	A		20	1					SPARE	2
3	DISPOSER RM#107		1.7			20	1		B	30	2		2.5			OVEN RM#107	4
5	RECEPTACLES RM #107		0.4			20	1		C	-	-		2.5			-	6
7	ITEM E06 RM#107		1.2			20	1	A		30	2		2.5			ITEM E05 RM#107	8
9	ITEM E02 RM#107		1.2			20	1		B	-	-		2.5			-	10
11	RECEPTACLES RM#107		0.6			20	1		C	20	1		1.2			ITEM E09 RM#122	12
13	RETRACT WINDOW RM #107				1.0	20	2			20	1		1.2			ITEM E09 RM#122	14
15	RETRACT WINDOW RM #107				1.0	-	-		B	20	1		1.2			ITEM E09 RM#122	16
17	ANSUL SYSTEM RM #107				0.2	20	1		C	30	2		2.5			ITEM E08 RM#122	18
19	SPARE					20	1	A		-	-		2.5			-	20
21	SPARE					20	1		B	30	2		2.5			ITEM E08 RM#122	22
23	SPARE					20	1		C	-	-		2.5			-	24
25	SPARE					20	1	A		30	2		2.5			ITEM E08 RM#122	26
27	SPARE					20	1		B	-	-		2.5			-	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: NLB2

SUBTOTAL CONNECTED KVA	0.0	5.5	0.0	2.2	0.0	28.6	0.0	0.0	SUBTOTAL CONNECTED KVA
					0.0	34.1	0.0	2.2	TOTAL CONNECTED KVA

PHASE BALANCE	LTS	REC	MECH	MISC	TOTAL	% DIF
PHASE A CONNECTED KVA	0.0	10.3	0.0	1.0	11.3	-6.6
PHASE B CONNECTED KVA	0.0	14.1	0.0	1.0	15.1	24.8
PHASE C CONNECTED KVA	0.0	9.7	0.0	0.2	9.9	-18.2
AVERAGE PHASE CONNECTED KVA					12.1	

LOAD SUMMARY LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL	
0.0	34.1	0.0	2.2	36.3	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	22.1	0.0	2.2	24.3	0.0	24.3	DESIGN KVA
NOTE 1 - 100% OF FIRST 10 KVA + 50% REMAINING						67	DESIGN AMPS

208 PANEL VOLTAGE

PANELBOARD NO: *NHA1*

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	SOUTH WEST CORNER	2.5				20	1	A		20	1	2.6				SOUTH MIDDLE	2
3	SOUTH EAST CORNER	3.1				20	1		B	20	1	0.1				MAIN ENTRANCE(CANOPY LTG)	4
5	SOUTH EXTERIOR LIGHTING	0.3				20	1		C	20	1	0.1				ZEN GARDEN LTG	6
7	WALL HEATER - 112			2.0		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 "NLA1"	2.1	12.4	4.5	5.2	125	3	A			3					SPACE	38
39		0.9	11.7	6.1	0.0				B								40
41		0.3	15.1	5.9	1.0				C								42

PANELBOARD NO: NHA1

SUBTOTAL CONNECTED KVA	9.2	39.2	18.5	6.2	2.9	0.0	0.0	0.0	SUBTOTAL CONNECTED KVA
					12.0	39.2	18.5	6.2	TOTAL CONNECTED KVA

PHASE BALANCE	LTS	REC	MECH	MISC	TOTAL	% DIF
PHASE A CONNECTED KVA	7.2	12.4	6.5	5.2	31.3	23.8
PHASE B CONNECTED KVA	4.1	11.7	6.1	0.0	21.9	-13.4
PHASE C CONNECTED KVA	0.7	15.1	5.9	1.0	22.7	-10.4
AVERAGE PHASE CONNECTED KVA					25.3	

LOAD SUMMARY LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL	
12.0	39.2	18.5	6.2	75.9	0		CONNECTED KVA
							25% OF THE LARGEST MOTOR
	NOTE 1						DEMAND FACTOR
1.25	1.0	1.0	1.0				CONTINUOUS / NON-CONTINUOUS
15.0	24.6	18.5	6.2	64.3	0.0	64.3	DESIGN KVA
NOTE 1 - 100% OF FIRST 10 KVA + 50% REMAINING						77	DESIGN AMPS

480 PANEL VOLTAGE

PANEL SCHEDULE KEY		
NLA1(1)	NLA1(2)	NLB1(1)
NLB1(2)	NLB2	NHA1

FULLY SPRINKLERED

Revisions:	Date
1 Amendment 1	09/11/08
2 Bulletin 2	05/18/09
3 Bulletin 6	06/04/09

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Drawing Title: POWER SCHEDULE SHEET 2
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: ES6-103
Dwg. of

Office of Facilities Management
Department of Veterans Affairs

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