PANEL LP (EXISTING)

120/208 VOLTS, 3 PHASE, 4 WIRE, 100% NEUTRAL BUS, GROUND BAR
125 AMP MAIN LUGS ONLY, 125 AMP BUS
PANEL BOARD MINIMUM SHORT CIRCUIT RATING 10,000 SYM RMS AMPS

A

CKT No.	POLE No.	DESCRIPTION	CONNECTED KVA A	B	C	BREAKER P	AT	NUMBER & WIRE SIZE PHASE	NEUTRAL	EGC	CONDUIT SIZE
1	1	** SPARE	0.00			1P	20A				
3	3	** SPARE		0.00		1P	20A				
5	5	** SPARE			0.00	1P	20A				
7	7	** SPARE	0.00			1P	20A				
9	9	** SPARE		0.00		1P	20A				
11	11	** SPARE			0.00	1P	20A				
13	13	** SPARE	0.00			1P	20A				
15	15	** SPARE		0.00		1P	20A				
17	17	** SPARE			0.00	1P	20A				
19	19	ATTIC LIGHTING (E)	0.40			1P	20A				
21	21	CUH-1 (E)		0.10		1P	20A				
23	23	** SPARE			0.10	1P	20A				
25	25	CIRCULATING PUMP (P-3) (E)	0.30			1P	20A				
27	27	BOILER NO. 1 (E)		0.50		1P	20A				
29	29	EF-9 (E)			0.40	1P	20A				
31	31	RECEPT	1.08			1P	20A				
33	33	NOT AVAILABLE		0.00		1P	20A				
35	35	NOT AVAILABLE			0.00	1P	20A				
37	37	NOT AVAILABLE	0.00								
39	39	NOT AVAILABLE		0.00							
41	41	NOT AVAILABLE			0.00						
2	2	** SPARE	0.00			1P	20A				
4	4	** SPARE		0.00		1P	20A				
6	6	** SPARE			0.00	1P	20A				
8	8	** SPARE	0.00			1P	20A				
10	10	** SPARE		0.00		1P	20A				
12	12	** SPARE			0.00	1P	20A				
14	14	** SPARE	0.00			1P	20A				
16	16	** SPARE		0.00		1P	20A				
18	18	** SPARE			0.00	1P	20A				
20	20	P-4 (E)	0.30			1P	20A				
22	22	UH-1 (E)		0.10		1P	20A				
24	24	EF-4, EF-5, EF-6 (E)			0.40	1P	20A				
26	26	NOT AVAILABLE	0.00			1P	20A				
28	28	NOT AVAILABLE		0.00		1P	20A				
30	30	DOOR OPERATORS (E)			0.50	1P	20A				
32	32	FIRE ALRM CNTRL PANEL (E)	0.60			1P	20A				
34	34	SPACE		0.00		1P	20A				
36	36	SPACE			0.00	1P	20A				
38	38	SPACE	0.00			1P	20A				
40	40	SPACE		0.00							
42	42	SPACE			0.00						
			2.68	0.70	1.40						
					4.8	TOTAL KVA					
					13.2	AMPS					

**BREAKER BECOMES AVAILABLE FOLLOWING DEMOLITION

PANEL PP (EXISTING)

120/208 VOLTS, 3 PHASE, 4 WIRE, 100% NEUTRAL BUS, GROUND BAR
125 AMP MAIN LUGS ONLY, 125 AMP BUS
PANEL BOARD MINIMUM SHORT CIRCUIT RATING 10,000 SYM RMS AMPS

A

CKT No.	POLE No.	DESCRIPTION	CONNECTED KVA A	B	C	BREAKER P	AT	NUMBER & WIRE SIZE PHASE	NEUTRAL	EGC	CONDUIT SIZE
1	1	RECEPT (E)	1.08			1P	20A				
3	3	RECEPT (E)		1.26		1P	20A				
5	5	RECEPT (E)			0.40	1P	20A				
7	7	RECEPT (E)	1.08			1P	20A				
9	9	RECEPT (E)		1.08		1P	20A				
11	11	RECEPT (E)			0.20	1P	20A				
13	13	RECEPT (E)	1.08			1P	20A				
15	15	RECEPT (E)		0.70		1P	20A				
17	17	RECEPT (E)			1.00	1P	20A				
19	19	RECEPT (E)	0.20			1P	20A				
21	21	RECEPT (E)		0.70		1P	20A				
23	23	RECEPT (E)			0.70	1P	20A				
25	25	RECEPT (E)	0.90			1P	20A				
27	27	RECEPT (E)		0.90		1P	20A				
29	29	RECEPT (E)			0.40	1P	20A				
31	31	RECEPT (E)	0.70			1P	20A				
33	33	RECEPT (E)		0.70		1P	20A				
35	35	EF-2, EF-21			0.20	1P	20A				
37	37	RECEPT (E)	1.00			1P	20A				
39	39	RECEPT (E)		1.20		1P	20A				
41	41	RECEPT (E)			1.20	1P	20A				
2	2	RECEPT (E)	0.90			1P	20A				
4	4	RECEPT (E)		1.00		1P	20A				
6	6	RECEPT (E)			0.70	1P	20A				
8	8	RECEPT (E)	1.20			1P	20A				
10	10	RECEPT (E)		0.50		1P	20A				
12	12	RECEPT (E)			1.10	1P	20A				
14	14	RECEPT (E)	0.20			1P	20A				
16	16	RECEPT (E)		1.20		1P	20A				
18	18	RECEPT (E)			0.20	1P	20A				
20	20	RECEPT (E)	0.00			1P	20A				
22	22	RECEPT (E)		1.08		1P	20A				
24	24	RECEPT (E)			1.00	1P	20A				
26	26	RECEPT (E)	0.40			1P	20A				
28	28	RECEPT (E)		0.70		1P	20A				
30	30	RECEPT (E)			0.20	1P	20A				
32	32	RECEPT (E)	0.50			1P	20A				
34	34	RECEPT (E)		0.40		1P	20A				
36	36	RECEPT (E)			0.40	1P	20A				
38	38		0.90								
40	40	RECEPTACLE (E)		0.90		3P	20A				
42	42				0.90						
			10.14	12.32	8.60						
					31.06	TOTAL KVA					
					86.04	AMPS					

PANEL RP (EXISTING)

120/208 VOLTS, 3 PHASE, 4 WIRE, 100% NEUTRAL BUS, GROUND BAR
125 AMP MAIN LUGS ONLY, 125 AMP BUS
PANEL BOARD MINIMUM SHORT CIRCUIT RATING 10,000 SYM RMS AMPS

A

CKT No.	POLE No.	DESCRIPTION	CONNECTED KVA A	B	C	BREAKER P	AT	NUMBER & WIRE SIZE PHASE	NEUTRAL	EGC	CONDUIT SIZE
1	1	RECEPTACLES (E)	0.50			1P	20A				
3	3	RECEPTACLES (E)		0.50		1P	20A				
5	5	RECEPTACLES (E)			0.40	1P	20A				
7	7	RECEPTACLES (E)	0.40			1P	20A				
9	9	RECEPTACLES (E)		0.40		1P	20A				
11	11	RECEPTACLES (E)			0.40	1P	20A				
13	13	RECEPTACLES (E)	0.70			1P	20A				
15	15	RECEPTACLES (E)		0.40		1P	20A				
17	17	RECEPTACLES (E)			0.40	1P	20A				
19	19	RECEPTACLES (E)	0.20			1P	20A				
21	21	RECEPTACLES (E)		0.60		1P	20A				
23	23	RECEPTACLES (E)			0.60	1P	20A				
25	25	RECEPTACLES (E)	0.60			1P	20A				
27	27	RECEPTACLES (E)		0.60		1P	20A				
29	29	RECEPTACLES (E)			0.60	1P	20A				
2	2	RECEPTACLES (E)	0.40			1P	20A				
4	4	RECEPTACLES (E)		0.40		1P	20A				
6	6	RECEPTACLES (E)			0.40	1P	20A				
8	8	RECEPTACLES (E)	0.40			1P	20A				
10	10	RECEPTACLES (E)		0.40		1P	20A				
12	12	RECEPTACLES (E)			0.40	1P	20A				
14	14	RECEPTACLES (E)	0.40			1P	20A				
16	16	RECEPTACLES (E)		0.40		1P	20A				
18	18	RECEPTACLES (E)			0.20	1P	20A				
20	20	RECEPTACLES (E)	0.40			1P	20A				
22	22	RECEPTACLES (E)		0.60		1P	20A				
24	24	RECEPTACLES (E)			0.60	1P	20A				
26	26	RECEPTACLES (E)	0.60			1P	20A				
28	28	RECEPTACLES (E)		0.60		1P	20A				
30	30	RECEPTACLES (E)			0.60	1P	20A				
			4.60	4.90	4.60						
					14.10	TOTAL KVA					
					39.06	AMPS					

PANEL A (RELOCATED)

120/208 VOLTS, 3 PHASE, 4 WIRE, 100% NEUTRAL BUS, GROUND BAR
100 AMP MAIN CIRCUIT BREAKER, 100 AMP BUS
PANEL BOARD MINIMUM SHORT CIRCUIT RATING 10,000 SYM RMS AMPS

A

CKT No.	POLE No.	DESCRIPTION	CONNECTED KVA A	B	C	BREAKER P	AT	NUMBER & WIRE SIZE PHASE	NEUTRAL	EGC	CONDUIT SIZE
1	1	LIGHTING - RADIOLOGY	0.65			1P	20A				
3	3	** SPARE		0.25		1P	20A				
5	5	** SPARE			0.00	1P	20A				
7	7	RECEPT (E)	0.50			1P	20A				
9	9	RECEPT		0.50		1P	20A				
11	11	RECEPT			0.40	1P	20A				
13	13	AUDIOLOGY BOOTH (E)	1.00			1P	20A				
15	15	RECEPT (E)		0.70		1P	20A				
17	17	RECEPT			0.90	1P	20A				
19	19	** SPARE	0.00			1P	20A				
21	21	EF-18 & EF-20		0.20		1P	20A				
23	23	EF-12 (E)			0.10	1P	20A				
25	25	RECEPT	0.50			1P	20A				
27	27	RECEPT		0.40		1P	20A				
29	29				0.00						
31	31	MAIN CIRCUIT BREAKER (E)	0.00			3P	100A				
33	33			0.00							
35	35	RECEPT.			0.90	1P	20A				
37	37	RECEPT.	0.90			1P	20A				
39	39	* SMOKING BOOTH		1.50		2P	15A				
41	41				1.50						
2	2	** SPARE	0.00			1P	20A				
4	4	** SPARE		0.00		1P	20A				
6	6	RECEPT (E)			1.08	1P	20A				
8	8	RECEPT (E)	1.00			1P	20A				
10	10	AUDIOLOGY BOOTH		1.00		1P	20A				
12	12	** SPARE			0.00	1P	20A				
14	14	RECEPT (E)	0.54			1P	20A				
16	16	RECEPT (E)		1.08		1P	20A				
18	18	** SPARE			0.00	1P	20A				
20	20	** SPARE	0.00			1P	20A				
22	22	SPARE		1.08		1P	20A				
24	24	** SPARE			0.00	1P	20A				
26	26	RADIOLOGY SUBPANEL (E)	1.30			2P	20A				
28	28			1.30							
30	30	SMOKING BOOTH			1.00	1P	20A				
32	32	RECEPT	1.70			1P	20A				
34	34	**SPARE		0.00		1P	20A				
36	36	** SPARE			0.00	1P	20A				
38	38	RECEPT	1.10			1P	20A				
40	40	RECEPT		1.10		1P	20A				
42	42	RECEPT			1.10	1P	20A				
			9.19	9.11	6.98						
					25.27	TOTAL KVA					
					70.01	AMPS					

** BREAKER BECOMES AVAILABLE FOLLOWING DEMOLITION

PANEL PP3(NEW)

120/208 VOLTS, 3 PHASE, 4 WIRE, 100% NEUTRAL BUS, GROUND BAR
100 AMP MAIN LUGS ONLY, MAIN CIRCUIT BREAKER, 100 AMP BUS
PANEL BOARD MINIMUM SHORT CIRCUIT RATING 10,000 SYM RMS AMPS

A

CKT No.	POLE No.	DESCRIPTION	CONNECTED KVA A	B	C	BREAKER P	AT	NUMBER & WIRE SIZE PHASE	NEUTRAL	EGC	CONDUIT SIZE
1	1	NURSE CALL HEAD END	0.70			1P	20A				
3	3	SECURITY MONITOR		0.20		1P	20A				
5	5	RECEPT. INTERCOM CABINET			0.70	1P	20A				
7	7	DOOR RELEASE	0.40			1P	20A				
9	9	SPARE		0.00		1P	20A				
11	11	RECEPT.			1.40	1P	20A				
13	13	RECEPT.	0.70			1P	20A				
15	15	RECEPT.		1.40		1P	20A				
17	17	RECEPT.			1.30	1P	20A				
19	19	RECEPT.	0.70			1P	20A				
21	21	RECEPT.		0.40		1P	20A				
23	23	SPARE			0.00	1P	20A				
25	25	SPARE	0.00			1P	20A				
27	27	SPARE		0.00		1P	20A				
29	29	SPARE			0.00	1P	20A				
31	31	SPARE	0.00			1P	20A				
33	33	DOME LIGHT		0.00		1P	20A	#10	#10	#10	3/4"
35	35	DOME LIGHT			1.30	1P	20A	#10	#10	#10	3/4"
37	37	DOME LIGHT	0.50			1P	20A	#10	#10	#10	3/4"
39	39	DOME LIGHT		1.20		1P	20A	#10	#10	#10	3/4"
41	41	SPARE			0.00	1P	20A				
2	2	RECEPT	1.20			1P	20A				
4	4	RECEPT		1.20		1P	20A				
6	6	RECEPT			1.60	1P	20A				
8	8	RECEPT	1.20			1P	20A				
10	10	RECEPT		1.20		1P	20A				
12	12	REFRIG.			0.90	1P	20A				
14	14	RECEPT	0.90			1P	20A				
16	16	RECEPT		0.20		1P	20A				
18	18	RECEPT			0.90	1P	20A				
20	20	RECEPT	1.20			1P	20A				
22	22	RECEPT		1.20		1P	20A				
24	24	RECEPT			1.10	1P	20A				
26	26	RECEPT	0.90			1P	20A				
28	28	RECEPT		1.60		1P	20A				
30	30	SPARE			0.40	1P	20A				
32	32	P-8, P-9, UH-2	0.30			1P	20A				
34	34	BOILER 1, BOILER 2, UH-2		1.00		1P	20A				
36	36	SPARE			0.00	1P	20A				
38	38	SPARE	0.00			1P	20A				
40	40	SPARE		0.00		1P	20A				
42	42	SPARE			0.00	1P	20A				
			8.7	9.6	9.6						
					27.9	TOTAL KVA					
					77.29	AMPS					

GENERAL NOTES:

1. BOLD TEXT INDICATES NEW CIRCUITS, LIGHTER TEXT INDICATES EXISTING CIRCUITS.

KEY NOTES:

A UNLESS OTHERWISE NOTED IN THE SPACE PROVIDED, REFER TO CONDUIT AND WIRE SIZING SCHEDLE ON ELECTRICAL POWER RISER DRAWING, E-5

PANEL SCHEDULE LAYOUT			
	LP	PP	RP
	A	PP3	

STATE OF MARYLAND — THOMAS J. CARROLL — No. 30595 — REGISTERED PROFESSIONAL ENGINEER — ELECTRICAL ENGINEER
04/17/06

FULLY SPRINKLERED

Revisions:	Date
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CONSULTANTS:

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Drawing Title: **PANELBOARD SCHEDULES**

Approved: Project Director

Project Title: **Expand Community Based Outpatient Clinic**

Location: **V.A.M.C. LOCH RAVEN**

Building Number: 6 | Checked: CCG | Drawn: MGP

Date: **04.17.06**

Project Number: **512.514**

Drawing Number: **E-9**

Dwg. 74 of 75

Loch Raven Outpatient Clinic

Department of Veterans Affairs