Updated 07/10/2009					EXISTING PANELBOARD					BRANCH CIRCUIT BREAKERS																						NEW / REPLACEMENT PANELBOARD					BRANCH CIRCUIT BREAKERS															
PANEL DESIGNATION	PANEL LOCATION	PANEL VOLTAGE	PANEL FEEDER	SURFACE OR FLUSH	BACKBOX SIZE H" x W" x D"	PANEL MANUFACTURER	EXISTING CATEGORY	BUS AMPS	MAIN CKT. BKR.	1 POLE 15	1 POLE 20	1 POLE 25	1 POLE 30	1 POLE 50	2 POLE 15	2 POLE 20	2 POLE 25	2 POLE 30	2 POLE 35	2 POLE 40	2 POLE 50	3 POLE 15	3 POLE 20	3 POLE 25	3 POLE 30	3 POLE 35	3 POLE 40	3 POLE 50	3 POLE 60	3 POLE 70	3 POLE 100	REPLACE-MENT CODE	UPDATED CATEGORY	BUS AMPS	MAIN CKT. BKR.	TOTAL CIRCUIT CAPACITY	1 POLE 15	1 POLE 20	1 POLE 30	1 POLE 40	2 POLE 15	2 POLE 20	2 POLE 30	2 POLE 40	2 POLE 50	3 POLE 15	3 POLE 20	3 POLE 30	3 POLE 40	3 POLE 50	3 POLE 60	3 POLE 100
LP3	3rd Floor, Rm 3060B	120/208, 3P,4W	1 #1/0	S	-	G.E.	Emergency	100	100																							ETR	Normal	100	100	42																
EE3	3rd Floor, Rm 3060B	120/208, 3P,4W	1-250 MCM	S	-	G.E.	Emergency	225	225																							ETR		225	225	42																
EC3-Sect.1	3rd Floor, Rm 3060B	120/208, 3P,4W	1-300 MCM	S	-	G.E.	Emergency	400	400																							ETR	Critical	400	400	42																
EC3-Sect.2	3rd Floor, Rm 3060B	120/208, 3P,4W	1-300 MCM	S	-	G.E.	Emergency	400	-																							ETR	Critical	400	-	42																
LP3N-O	3rd Floor, Rm 3009	120/208, 3P,4W	1 #1/0	S	23 1/2 x 24 x 6	TRUMBULL	Emergency	60	-		6																					EBB	Life Safety	100	70	18		8														
LP3C	3rd Floor, Rm 3009	120/208, 3P,4W	1 #4/0	S	50 1/2 x 24 x 6	TRUMBULL	Normal	200	200		19	3				3	1			1												EBB	Normal	225	200	66		24				4										
SICU (1 Ph)	3rd Floor, Rm 3009	120/208, 1P,3W	1-300 MCM	S	44 1/4 x 20 x 6	WESTINGHOUSE	Critical	100	100																							REM	-	-	-	-																
PL3N	3rd Floor, Rm 3001	120/208, 3P,4W	1 #2	S	37 1/2 x 20 x 5	G.E.	Critical	100	100																							ETR	Critical	100	100	30																
LP3N-N	3rd Floor, Rm 3001	120/208, 3P,4W	1 #2	S	31 1/2 x 20 x 5	G.E.	Life Safety	100	-																							ETR	Life Safety	100	-	18																
PL3NE	3rd Floor, E.C. North	120/240, 1P,3W					Critical	60	-																							ETR	Critical																			
OR8N	3rd Floor, Rm 3001	120/208, 3P,4W	ISO. XFMR.	S	-	G.E.	Emergency	100	100																							ETR	Critical	100	100	30																
CBME	3rd Floor, MER	120/208, 3P,4W	1 #2	S	-	G.E.	Emergency	125	-																							REP	Critical	225	-	66																
CB3W	3rd Floor, MER	120/208, 3P,4W	1-250 MCM	S	-	G.E.	Emergency	400	-																							ETR	Ess. Equip.	400	-	42																
LP3A-A	3rd Floor, Rm 3090	120/208, 3P,4W	1 #4/0	S	44 1/2 x 24 x 6	TRUMBULL	Normal	100	100		30																					EBB	Normal	225	150	66		32														
LP3A-B	3rd Floor, Rm 3090	120/208, 3P,4W	1 #4/0	S	44 1/2 x 24 x 6	TRUMBULL	Normal	100	100		24																					EBB	Normal	225	150	66		26														
LP3A-2	3rd Floor	120/208, 3P,4W					Normal																									ETR	Normal																			
PP3K	3rd Floor	J-BOX	-	F	-	-	-	-	-																							ETR	-	-	-	-																
LC3W	3rd Floor, Rm 3090	120/208, 3P,4W	1 #2	S	31 1/2 x 20 x 6	G.E.	Normal	100	100																							ETR	Normal	100	100	30																
LP4A-Sect.1	4th Floor, Rm 40E1	120/208, 3P,4W	2-250 MCM	S	-	CUTLER HAMMER	Normal	400	-																							ETR	Normal	400	-	42																
LP4A-Sect.2	4th Floor, Rm 40E1	120/208, 3P,4W	2-250 MCM	S	-	CUTLER HAMMER	Normal	400	-																							ETR	Normal	400	-	42																
LP4A2	4th Floor, Rm 40E1	120/208, 3P,4W	2-250 MCM	S	-	CUTLER HAMMER	Normal																									ETR	Normal																			
E2-4E-Sect.1	4th Floor Room 4018	120/208, 3P,4W	1-250 MCM	S	-	CUTLER HAMMER	Normal	225	225																							ETR	Normal	225	225	42																
E2-4E-Sect.2	4th Floor Room 4018	120/208, 3P,4W	1-250 MCM	S	-	CUTLER HAMMER	Normal	225	-																							ETR	Normal	225	-	42																
E2-4W-Sect.1	4th Floor Room 40E3	120/208, 3P,4W	1-250 MCM	S	-	CUTLER HAMMER	Normal	225	225																							ETR	Normal	225	225	42																
E2-4W-Sect.2	4th Floor Room 40E3	120/208, 3P,4W	1-250 MCM	S	-	CUTLER HAMMER	Normal	225	-																							ETR	Normal	225	-	42																
LP4N-O	4th Floor Room 4006	120/208, 3P,4W	1 #1/0	S	24 x 24 x 6	TRUMBULL	Emergency	60	-		8																					EBB	Life Safety	100	70	18		10														
LP4C	4th Floor Room 4006	120/208, 3P,4W	1 #4/0	S	44 1/2 x 24 x 6	TRUMBULL	Normal	100	100		22	5																	1			EBB	Normal	225	150	42		30														
LP4N-N	4th Floor, Corridor	120/208, 3P,4W	1 #2	F	31 1/2 x 20 x 5	G.E.	Life Safety	100	-																							ETR	Life Safety	100	-	18																
PL4N	4th Floor, Corridor	120/208, 3P,4W	1 #2	F	37 1/2 x 20 x 5	G.E.	Critical	100	100																							ETR	Critical	100	100	30																
LP4CA	4th Floor Room 4006	120/208, 3P,4W		S	-	CUTLER HAMMER	Emergency	100	-	2	16											3			1							ETR	Critical	100	-	30	2	18								3		1				
PP4K	4th Floor Storage Room	120/208, 3P,4W	1 #2/0	F	44 1/2 x 24 x 6	TRUMBULL	Normal	100	100		7	2											2			1						EBB	Normal	225	150	42		12									2	1				
LP4B-Sect.1	4th Floor, Rm 4035	120/208, 3P,4W	1-500 MCM	S	-	CUTLER HAMMER	Normal	400	400																							ETR	Normal	400	400	42																
LP4B-Sect.2	4th Floor, Rm 4035	120/208, 3P,4W	1-500 MCM	S		CUTLER HAMMER	Normal	400	-																							ETR	Normal	400	-	42																
LP5B-Sect.1	5th Floor Rm 5040	120/208, 3P,4W	1 #4/0	S	41 5/8 x 24 x 6	Sq. D	Normal	225	-																							ETR	Normal	225	-	42																
LP5B-Sect.2	5th Floor Rm 5040	120/208, 3P,4W	1 #4/0	S	41 5/8 x 24 x 6	Sq. D	Normal	225	-																							ETR	Normal	225	-	42																
LP5N-O	5th Floor Rm 5009	120/208, 3P,4W	1 #1/0	S	23 1/2 x 24 x 6	TRUMBULL	Emergency	60	-		6																					EBB	Life Safety	100	70	18		8														
LP5N1-HEMO	5th Floor, Nurse Sta	120/208, 3P,4W	1 #1/0	F	-	CUTLER HAMMER	Emergency	100	100	3	29		1																1			ETR	Critical	100	100	36	3	32	1												1	
LP5C	5th Floor Rm 5009	120/208, 3P,4W	1 #4/0	S	44 1/2 x 24 x 6	TRUMBULL	Normal	100	100		23	7																				EBB	Normal	225	150	42		32														
PL5N	5th Floor Rm 5009	120/208, 3P,4W	1 #2	S	37 1/2 x 20 x 5	G.E.	Critical	100	100																							ETR	Critical	100	100	30																
LP5N-N	5th Floor Rm 5009	120/208, 3P,4W	1 #2	S	31 1/2 x 20 x 5	G.E.	Life Safety	100	-																							ETR	Life Safety	100	-	18																
LP5A-Sect.1	5th Floor Rm 5083	120/208, 3P,4W	1 #4/0	S	35 1/2 x 24 x 6	TRUMBULL	Normal	200	-		25	1						1														EBB	Normal	225	-	42		28					1									
LP5A-Sect.2	5th Floor Rm 5083	120/208, 3P,4W	1 #4/0	S	35 1/2 x 24 x 6	TRUMBULL	Normal	200	-		20	8																				EBB	Normal	225	-	42		30														
LP5A2	5th Floor Rm 5083	120/208, 3P,4W	1 #8	S	29 3/8 x 15 1/4 x 5	CUTLER HAMMER	Normal	100	-		10																					ETR	Normal	100	-	30		12														
PP5K	5th Floor, Rm 5063	120/208, 3P,4W	1-300 MCM	F	44 1/2 x 24 x 6	TRUMBULL	Normal	100	100		15		2																			EBB	Normal	225	150	42		18														
LP6N-O	6th Floor, Rm 6009	120/208, 3P,4W	1 #1/0	S	23 1/2 x 24 x 6	TRUMBULL	Emergency	60	-		7																					EBB	Life Safety	100	70	18		10														
MICU (1 Ph)	6th Floor, Rm 6009	120/208, 3P,4W	2-300 MCM	S	44 1/4 x 20 x 6	WESTINGHOUSE	Critical	100	100		6					8																ETR	Critical	100	100	22		8				8										
LP6N-N	6th Floor, Corridor	120/208, 3P,4W	1 #2	F	31 1/2 x 20 x 5	G.E.	Life Safety	100	-																							ETR	Life Safety	100	-	18																
PL6N	6th Floor, Corridor	120/208, 3P,4W	1 #2	F	37 1/2 x 20 x 5	G.E.	Critical	100	100																							ETR	Critical	100	100	30																
LP6A-Sect.1	6th Floor, Rm 6075	120/208, 3P,4W	1 #4/0	S	35 1/2 x 24 x 6	TRUMBULL	Normal	200	-		26																					EBB	Normal	225	-	42		28														
LP6A-Sect.2	6th Floor, Rm 6075	120/208, 3P,4W	1 #4/0	S	35 1/2 x 24 x 6	TRUMBULL	Normal	200	-		15																					EBB	Normal	225	-	42		18														
LP6AZ	6th Floor, Rm 6075	120/208, 3P,4W		S	29 x 15 x 5 1/4	CUTLER HAMMER	Normal	100	-		23																					ETR	Normal	225	-	42		26														
LP6B	6th Floor, Rm 6033	120/208, 3P,4W	1-250 MCM	S	41 1/2 x 24 x 6	TRUMBULL	Normal	200	-		31	9																				EBB	Normal	225	-	42		42														
LP6B2	6th Floor, Rm 6033	120/208, 3P,4W	1 #2	S	29 x 15 x 5 1/4	CUTLER HAMMER	Normal	100	30																							ETR	Normal	100	30	30																
LP6C	6th Floor, Rm 6009	120/208, 3P,4W	1 #4/0	S	44 1/2 x 24 x 6	TRUMBULL	Normal	100	100		24	5									1											EBB	Normal	225	150	42		32							1							
PP6K	6th Floor, Clinic	120/208, 3P,4W	1 #4/0	F	38 1/2 x 24 x 6	TRUMBULL	Normal	100	-		8	2							1				5									EBB	Normal	100	100	30		12					1				1					
LP7N-O	7th Floor, Rm 7008	120/208, 3P,4W	1 #6	S	23 1/2 x 24 x 6	TRUMBULL	Emergency	60	-		6																					EBB	Life Safety	100	70	18		8														
LP7N-N	7th Floor, Corridor	120/208, 3P,4W	1 #2	F	31 1/2 x 20 x 5	G.E.	Life Safety	100	-																							ETR	Life Safety	100	-	18																
PL7N	7th Floor, Corridor	120/208, 3P,4W	1 #2	F	37 1/2 x 20 x 5	G.E.	Critical	100	100																							ETR	Critical	100	100	30																
LP7A-Sect.1	7th Floor, Rm 7068	120/208, 3P,4W	1 #4/0	S	-	CUTLER HAMMER	Normal	225	225																							ETR	Normal	225	225	30																
LP7A-Sect.2	7th Floor, Rm 7068	120/208, 3P,4W	1 #4/0	S	-	CUTLER HAMMER	Normal	225	-																							ETR	Normal	225	-	42																
LP7C	7th Floor, Rm 7008	120/208, 3P,4W	1 #4/0	S	41 3/4 x 24 x 6	TRUMBULL	Normal	100	100		20	4																				EBB	Normal	225	150	42		26														
PP7K	7th Floor, Rm 7055	120/208, 3P,4W	1 #4/0	F	-	CUTLER HAMMER	Normal	200	150																							ETR	Normal	200	150	42																
LP7B	7th Floor, Rm 7030	J-BOX	-	S	50 1/2 x 24 x 6	TRUMBULL	-	-	-																							CVR	-	-	-	-																
RP-7A	7th Floor, Rm 7030	120/208, 3P,4W	1-500 MCM	S	60 x 20 x 6	CUTLER HAMMER	Normal	400	300																							ETR	Normal	400	300	42																
LP8N-O	8th Floor, Rm 8009	120/208, 3P,4W	1 #2	S	23 1/2 x 24 x 6	TRUMBULL	Emergency	60	-		6																					EBB	Life Safety	100	70	18		8														
LP8N-N	8th Floor, Corridor	120/208, 3P,4W	1 #2	F	31 1/2 x 20 x 5	G.E.	Life Safety	100	-																							ETR	Life Safety	100	-	18																
PL8N	8th Floor, Corridor	120/208, 3P,4W	1 #2	F	37 1/2 x 20 x 5	G.E.	Critical	100	100																							ETR	Critical	100	100	30																
LP8A	8th Floor, Rm 8072	120/208, 3P,4W	1 #4/0	S	44 1/2 x 24 x 6	TRUMBULL	Normal	100	100		20	5						1									1					EBB	Normal	225	200	42		28					1									
LP8C	8th Floor, Rm 8009	120/208, 3P,4W	1 #4/0	S	53 1/2 x 24 x 6	TRUMBULL	Normal	200	200		30	2				1																EBB	Normal	225	150	66		34				1										
PP8K	8th Floor, Rm 8051C	120/208, 3P,4W	1-250 MCM	F	41 1/2 x 24 x 6	TRUMBULL	Normal	100	-		11	4	1						2				4									EBB	Normal	100	100	30		18	1													
LP8B	8th Floor, Rm 8027	120/208, 3P,4W	1 #4/0	S	50 1/2 x 24 x 6	TRUMBULL	Normal	200	200		26	6																				EBB	Normal	225	200	42		34														
LP8E	8th Floor, MER	277/480, 3P,4W	1 #2	S	-	CUTLER HAMMER	Normal	100	100																							ETR	Normal	100	100	42																
Panel A	9th Floor, MER	120/208, 3P,4W	-	S	24 x 20 x 6	CHALLENGER	Normal	100	60 (ST)		4							1							2							ETR	Normal	100	60 (ST)	14		6					1					2				
LP9C	9th Floor, MER	120/208, 3P,4W	1 #4/0	S	38 1/2 x 24 x 6	TRUMBULL	Normal	100	100		20																					EBB	Normal	225	150	42		24														
LP9C1	9th Floor, MER	120/208, 3P,4W	1 #2	S	30 5/8 x 12 x 3 3/4	Square D	Normal	125	125		8							2					1									ETR	Normal	125	125	30		10					2				1					
PP9M	9th Floor, Shop	120/208, 3P,4W	1 #1/0	S	59 3/8 x 24 x 6	TRUMBULL	Normal	100	100		7					1							3	2		1		1			1	EBB	Normal	225	150	66		10				1					5	1		1		1
LP9C-2	9th Floor, Rm 9001	120/208, 3P,4W	1 #2	F	-	CUTLER HAMMER	Normal	200	150																							ETR	Normal	200	150	42																
HP9M	9th Floor, Rm 9001	277/480, 3P,4W	1 #4/0	F	-	CUTLER HAMMER	Normal	200	150																							ETR	Normal	200	150	42																
PP10N	10th Floor, Shop	120/208, 3P,4W	1-300 MCM	S	47 1/2 x 24 x 6	TRUMBULL	Normal	100	100		4												2	2		2						EBB	Normal	225	150	42		6										4	2				

REPLACEMENT CODE LEGEND AND NOTES:

1. REPLACEMENT CODES: **ETR** = EXISTING PANEL TO REMAIN (NO WORK); **EBB** = REPLACE PANEL INTERIOR ASSEMBLY, KEEPING EXISTING BACK BOX; **REP** = REPLACE EXISTING PANEL INTERIOR AND BACKBOX.
   REPLACEMENT CODES: **NEW** = PROVIDE ALL NEW PANEL INCLUDING NEW BACKBOX; **REM** = REMOVE PANEL AND ALL ASSOCIATED WIRING; **CVR** = PROVIDE NEW COVER FOR EXISTING PANEL.
2. ALL NEW PANELS TO HAVE NEMA 1 ENCLOSURES EXCEPT WHERE OTHERWISE NOTED ON PLANS. ALL NEW AND REPLACEMENT PANELS TO BE PROVIDED WITH NEW COVERS AS PER SPECIFICATIONS.
3. VERIFY CONDITION AND DIMENSIONS OF ALL BACKBOXES BEING REUSED. CONFIRM THAT THE SPECIFIED REPLACEMENT INTERIOR ASSEMBLY WILL FIR, AND NOTIFY THE COTR OF ANY DISCREPANCIES BEFORE ORDERING.
4. PROVIDE MLO PANELS WITH DOUBLE LUGS, AND MCB PANELS WITH THRU-FEED LUGS. WHERE REQUIRED TO FEED MULTIPLE SECTIONS OF THE SAME PANEL.
5. ALL NEW AND REPLACEMENT PANELS SHALL HAVE A MINIMUM FULLY RATED INTERRUPTING CAPACITY OF 22,000 RMS SYMMETRICAL AMPERES, EXCEPT FOR PANELS "PPGN-A" & "PPGN-B" WHICH SHALL HAVE A MINIMUM RATING OF 35,000 A.I.C.
6. ALL PANELS TO BE BOLT-ON CIRCUIT BREAKER TYPE PER SPECIFICATIONS. ALL PANELS SHALL BE PROVIDED WITH AN ENGRAVED LABEL ON FRONT COVER: LISTING PANEL DESIGNATION, VOLTAGE, AND UPDATED CATEGORY.
7. PROVIDE PANELS WITH SUFFICIENT CIRCUIT BREAKERS TO PROPERLY SUPPLY ALL EXISTING AND NEW BRANCH CIRCUITS. VERIFY REQUIREMENTS BEFORE ORDERING. DO NOT RELY EXCLUSIVLY ON PANEL SCHEDULES.
8. VERIFY THAT EXISTING CIRCUIT BREAKERS ONLY HAVE ONE CONDUCTOR ATTACHED, AND REPLACE WITH MULTIPLE CIRCUIT BREAKERS IF NECESSARY TO SEPARATE ANY VIOLATIONS NOTED.
9. SEE DETAILED PANEL SCHEDULES ON DRAWINGS E20 - E22 FOR ADDITIONAL PANEL REQUIREMENTS.
10. ALL PANELS SHALL BE PROVIDED WITH UPDATED, TYPEWRITTEN PANEL SCHEDULES: LISTING THE PANEL DESIGNATION, UPDATED CATEGORY, VOLTAGE, FEEDER SIZE AND SOURCE, AND ALL BRANCH CIRCUIT INFORMATION. VERIFICATION OF EXISTING BRANCH CIRCUITS NOT REQUIRED.
11. **(ST)** INDICATES SHUNT TRIP CIRCUIT BREAKER.

Revisions | Date

Professional Seal

DESIGN CONSULTANT:

DCS INFRASTRUCTURE, LLC
MOUNT HOLLY, NJ

Drawing Title: SUMMARY PANEL SCHEDULE (PART 1)

Approved:

Approved:

Project Title: UPGRADE SECONDARY ELECTRICAL DEFICIENCIES

Building Number: 01 | Checked | Drawn

Location: VAMC WILMINGTON DELAWARE

Date: 10 JULY 09

Project No. 460-08-104

Drawing No. E-15

VAMC, WILMINGTON

VA Department of Veterans Affairs

VA FORM 08-6231, OCT 1978