

PANEL NAME:		DP1		NUMBER OF PHASES:		3		PROJECT NAME: NAVY CALIBRATION LAB	
VOLTAGE:		208Y/120		NEUTRAL BUS?		Y		PROJECT NUMBER: 1734	
BUS SIZE (AMPS):		400		GROUND BAR?		Y		DATE: 10/27/2009	
MAIN CIRCUIT BREAKER SIZE:		MLO		MOUNTING:		SURFACE			
SHORT CIRCUIT CURRENT RATING (AMPS):		10 KAIC		FEED-THRU LUGS?		Y			
AVAILABLE SHORT CIRCUIT CURRENT:		7.3 KAIC		OTHER OPTIONS:		Y			
SECTION 1									
ITEM	AMP RATING	# POLES	CT	LEFT LOADING	RIGHT LOADING	CT	# POLES	AMP RATING	ITEM
1 ELECTRONIC REPAIR BENCHES (3)	20	3	1	1,000		2	3	20	ELECTRONIC REPAIR BENCHES (3)
3 D23,D24,D28 -DRP RM 111			3	1,000	1,000	4			D23,D24,D28 -DRP RM 111
5			5	1,000	1,000	6			
7 ELECTRONIC REPAIR BENCHES (3)	20	3	7	1,000	1,000	8	3	20	ELECTRONIC REPAIR BENCHES (3)
9 D27,D22,D26 -DRP RM 111			9	1,000	1,000	10			D27,D22,D26 -DRP RM 111
11			11	1,000	1,000	12			
13 ELECTRONIC REPAIR BENCHES (3)	20	3	13	1,000	1,000	14	3	20	ELECTRONIC REPAIR BENCHES (3)
15 D40,D44,D39 -DRP RM 111			15	1,000	1,000	16			D40,D44,D39 -DRP RM 111
17			17	1,000	1,000	18			
19 ELECTRONIC REPAIR BENCHES (3)	20	3	19	1,000	1,000	20	3	20	ELECTRONIC REPAIR BENCHES (3)
21 D43,D38,D42 -DRP RM 111			21	1,000	1,000	22			D43,D38,D42 -DRP RM 111
23			23	1,000	1,000	24			
25 ELECTRONIC REPAIR BENCHES (3)	20	3	25	1,000	1,000	26	3	20	ELECTRONIC REPAIR BENCHES (3)
27 D58,D69,D68 -DRP RM 111			27	1,000	1,000	28			D58,D69,D68 -DRP RM 111
29			29	1,000	1,000	30			
31 ELECTRONIC REPAIR BENCHES (3)	20	3	31	1,000	1,000	32	3	20	ELECTRONIC REPAIR BENCHES (3)
33 D70,D71,D67 -DRP RM 111			33	1,000	1,000	34			D70,D71,D67 -DRP RM 111
35			35	1,000	1,000	36			
37 ELECTRONIC REPAIR BENCHES (3)	20	3	37	1,000	1,000	38	3	20	ELECTRONIC REPAIR BENCHES (3)
39 D59,D53,D49 -DRP RM 111			39	1,000	1,000	40			D59,D53,D49 -DRP RM 111
41			41	1,000	1,000	42			
				7000	7000	7000	7000	7000	

TOTAL CONNECTED LOAD (VA):		78000		LOAD DIVERSITY DEMAND		NOTES	
PHASE A LOADING (VA):	26000	1 LIGHTS	0	1.00	0		
PHASE B LOADING (VA):	26000	2 RECEPT <= 10KVA	0	1.00	0		* PROVIDE FINAL TYPEWRITTEN DIRECTORY INSIDE PANEL.
PHASE C LOADING (VA):	26000	RECEPT > 10KVA	0	0.50	0		
SUB-FEED LOADING (VA):	0	3	0	1.00	0		* PROVIDE ENGRAVED PLASTIC LABEL WITH PANEL DESIGNATION ON PANEL COVER.
TOTAL CALCULATED LOAD (VA):	39000	4	0	1.00	0		
		5	0	1.00	0		* ALL PANELS SHALL HAVE GROUND BARS AND BE GROUNDED TO CASE.
TOTAL CONNECTED LOAD (A):	217	6 REPAIR BENCHES	42000	0.50	21000		* THIS IS A 400 HZ PANEL.
TOTAL CALCULATED LOAD (A):	108.25	7	0	1.00	0		
		8	0	1.00	0		
		9	0	1.00	0		
		10	0	1.00	0		

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BUS SIZE (AMPS):		400		GROUND BAR?		Y		DATE: 10/27/2009	
MAIN CIRCUIT BREAKER SIZE:		MLO		MOUNTING:		SURFACE			
SHORT CIRCUIT CURRENT RATING (AMPS):		10 KAIC		FEED-THRU LUGS?		Y			
AVAILABLE SHORT CIRCUIT CURRENT:		7.3 KAIC		OTHER OPTIONS:		Y			
SECTION 2									
ITEM	AMP RATING	# POLES	CT	LEFT LOADING	RIGHT LOADING	CT	# POLES	AMP RATING	ITEM
43 ELECTRONIC REPAIR BENCHES (3)	20	3	43	1,000	1,000	44	3	20	ELECTRONIC REPAIR BENCHES (3)
45 D25,D29,D33 -DRP RM 111			45	1,000	1,000	46			D25,D29,D33 -DRP RM 111
47			47	1,000	1,000	48			
49 ELECTRONIC REPAIR BENCHES (3)	20	3	49	1,000	1,000	50	3	20	ELECTRONIC REPAIR BENCHES (3)
51 C58,C57,C56 -FT LAB 118			51	1,000	1,000	52			C58,C57,C56 -FT LAB 118
53			53	1,000	1,000	54			
55 ELECTRONIC REPAIR BENCHES (3)	20	3	55	1,000	1,000	56	3	20	ELECTRONIC REPAIR BENCHES (3)
57 C59,C58,C37 -FT LAB 118			57	1,000	1,000	58			C59,C58,C37 -FT LAB 118
59			59	1,000	1,000	60			
61 ELECTRONIC REPAIR BENCHES (3)	20	3	61	1,000	1,000	62	3	20	ELECTRONIC REPAIR BENCHES (3)
63 C41,C40,C39 ELEC LAB 119			63	1,000	1,000	64			C41,C40,C39 ELEC LAB 119
65			65	1,000	1,000	66			
67 ELECTRONIC REPAIR BENCHES (3)	20	3	67	1,000	1,000	68	3	20	ELECTRONIC REPAIR BENCHES (3)
69 C42,C55,C60 ELEC LAB 119			69	1,000	1,000	70			C42,C55,C60 ELEC LAB 119
71			71	1,000	1,000	72			
73 ELECTRONIC REPAIR BENCHES (3)	20	3	73	1,000	1,000	74	3	20	ELECTRONIC REPAIR BENCHES (3)
75 D19,D120,D121 -DRP SEC RM 110			75	1,000	1,000	76			D19,D120,D121 -DRP SEC RM 110
77			77	1,000	1,000	78			
79 SPARE	20	3	79			80	3	20	SPARE
81			81			82			
83			83			84			
				6000	6000	6000	6000	6000	

TOTAL CONNECTED LOAD (VA):		78000		LOAD DIVERSITY DEMAND		NOTES	
PHASE A LOADING (VA):	26000	1 LIGHTS	0	1.00	0		
PHASE B LOADING (VA):	26000	2 RECEPT <= 10KVA	0	1.00	0		* PROVIDE FINAL TYPEWRITTEN DIRECTORY INSIDE PANEL.
PHASE C LOADING (VA):	26000	RECEPT > 10KVA	0	0.50	0		
SUB-FEED LOADING (VA):	0	3	0	1.00	0		* PROVIDE ENGRAVED PLASTIC LABEL WITH PANEL DESIGNATION ON PANEL COVER.
TOTAL CALCULATED LOAD (VA):	39000	4	0	1.00	0		
		5	0	1.00	0		* ALL PANELS SHALL HAVE GROUND BARS AND BE GROUNDED TO CASE.
TOTAL CONNECTED LOAD (A):	217	6 REPAIR BENCHES	36000	0.50	18000		
TOTAL CALCULATED LOAD (A):	108.25	7	0	1.00	0		
		8	0	1.00	0		
		9	0	1.00	0		
		10	0	1.00	0		

PANEL NAME:		LL1		NUMBER OF PHASES:		3		PROJECT NAME: NAVY CALIBRATION LAB	
VOLTAGE:		208Y/120		NEUTRAL BUS?		Y		PROJECT NUMBER: 1734	
BUS SIZE (AMPS):		200		GROUND BAR?		Y		DATE: 10/27/2009	
MAIN CIRCUIT BREAKER SIZE:		MLO		MOUNTING:		SURFACE			
SHORT CIRCUIT CURRENT RATING (AMPS):		10 KAIC		FEED-THRU LUGS?		N			
AVAILABLE SHORT CIRCUIT CURRENT:		7.3 KAIC		OTHER OPTIONS:		Y			
SECTION 1									
ITEM	AMP RATING	# POLES	CT	LEFT LOADING	RIGHT LOADING	CT	# POLES	AMP RATING	ITEM
1 OFFICE COMPUTER (2) -RM 104,105	20	1	1	800		2	1	20	RECEPTS (6) -CAL STOR RM 123
3 OFFICE RECEPTACLE (6) -RM 104,105			3	1,080	1,080	4	1	20	RECEPTS (6) -RM 123,122
5 OFFICE COMPUTER (2) -RM 118,119	20	1	5		800	6	1	20	RECEPTS (6) -RM 123,121
7 FUME HOOD EQ C104	20	1	7	1,140	1,080	8	1	20	RECEPTS (6) -RM 123,100B
9 RECEPT (5) -WORK BENCHES -LABS 116			9	900		10	1	20	SPARE
11 COMPUTER PRINTER -RM 121	20	1	11		800	12	1	20	RECEPT (2) -ENTRANCE CANOPY
13 FACP, POWER SUPPLY	20	1	13	1,200	1,800	14	3	20	LINEAR RF POWER AMPLIFIER
15 VOICE EVACUATION, RADIO TRANSCEIVER	20	1	15	1,200	1,800	16	3	20	
17 VAV 120 VOLT CONTROL POWER	20	1	17		400	18			
19 120V FOR EMERG PUSHBUTTONS	20	1	19	100		20	1	20	SPARE
21 PROVISION	20	1	21			22	1	20	SPARE
23 PROVISION	20	1	23			24	1	20	SPARE
25 PROVISION	20	1	25			26	1	20	PROVISION
27 PROVISION	20	1	27			28	1	20	PROVISION
29 PROVISION	20	1	29			30	1	20	PROVISION
31 PROVISION	20	1	31			32	1	20	PROVISION
33 PROVISION	20	1	33			34	1	20	PROVISION
35 PROVISION	20	1	35			36	1	20	PROVISION
37 PANEL LL1C	100	3	37	7,530		38	1	20	PROVISION
			39		7,530	40	1	20	PROVISION
41			41		7,530	42	1	20	PROVISION
				10770	10710	9530	3960	2880	3240

TOTAL CONNECTED LOAD (VA):		43670		LOAD DIVERSITY DEMAND		NOTES	
PHASE A LOADING (VA):	19550	1 LIGHTS	0	1.00	0		
PHASE B LOADING (VA):	13770	2 RECEPT <= 10KVA	9160	1.00	9160		* PROVIDE FINAL TYPEWRITTEN DIRECTORY INSIDE PANEL.
PHASE C LOADING (VA):	12950	RECEPT > 10KVA	0	0.50	0		
SUB-FEED LOADING (VA):	0	3	0	1.00	0		* PROVIDE ENGRAVED PLASTIC LABEL WITH PANEL DESIGNATION ON PANEL COVER.
TOTAL CALCULATED LOAD (VA):	39965	4	0	1.00	0		* ALL PANELS SHALL HAVE GROUND BARS AND BE GROUNDED TO CASE.
		5 PANEL LL1C	22590	0.75	22590		
TOTAL CONNECTED LOAD (A):	118	6 APPLIANCE EQ	9340	0.75	7005		
TOTAL CALCULATED LOAD (A):	110.93	7	0	1.00	0		
		8	0	1.00	0		
		9	0	1.00	0		
		10	0	1.00	0		

PANEL NAME:		LL1B		NUMBER OF PHASES:		3		PROJECT NAME: NAVY CALIBRATION LAB	
VOLTAGE:		208Y/120		NEUTRAL BUS?		Y		PROJECT NUMBER: 1734	
BUS SIZE (AMPS):		100		GROUND BAR?		Y		DATE: 10/27/2009	
MAIN CIRCUIT BREAKER SIZE:		MLO		MOUNTING:		SURFACE			
SHORT CIRCUIT CURRENT RATING (AMPS):		10 KAIC		FEED-THRU LUGS?		N			
AVAILABLE SHORT CIRCUIT CURRENT:		7.3 KAIC		OTHER OPTIONS:		Y			
SECTION 1									
ITEM	AMP RATING	# POLES	CT	LEFT LOADING	RIGHT LOADING	CT	# POLES	AMP RATING	ITEM
1 OFFICE COMPUTER (2) -RM 101,111	20	1	1	800		2	1	20	BREAKROOM -SMALL APPLIANCE
3 OFFICE RECEPTACLE (6) -RM 101,111			3	1,080	1,500	4	1	20	BREAKROOM -SMALL APPLIANCE
5 OFFICE COMPUTER (2) -RM 102,103	20	1	5		800	6	1	20	BREAKROOM -REFRIG.
7 OFFICE RECEPTACLE (6) -RM 102,103			7	1,080	1,200	8	1	20	COMPUTER, PLOTTER, PRINTER -RM
9 OFFICE COMPUTER (2) -RM 103	20	1	9		800	10	1	20	RECEPT (6) DRP RM 111
11 OFFICE PRINTER, SM COPIER -RM103	20	1	11		1,200	12	1	20	TEMPERATURE BATHS -30 AMP
13 NMCI -DEDICATED CIRCUIT	20	1	13	1,000		14	1	20	PROVISION
15 NMCI -DEDICATED CIRCUIT	20	1	15	1,000		16	1	20	PROVISION
17 SPARE	20	1	17			18	1	20	PROVISION
19 SPARE	20	1	19			20	1	20	PROVISION