

PANEL "154 NDEC2"																	
VOLTS/PHASE/WIRE:			PANEL SIZE & TYPE:			MAIN SIZE & TYPE:			LOCATION:			CABINET:			NOTES:		
120/208 V, 3 PH 4 WIRE			22" W x 6" D, BOLT-ON			400 AMPERE MAIN LUGS			LAB ELECTRICAL ROOM			SURFACE			NEW		
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR, INSULATED GROUND BAR, SUBFEED LUGS																	
CKT NO	AMP	POLE	LOAD (kVA)	DESCRIPTION	LCL kVA	PHASE LOAD			LCL kVA	DESCRIPTION	LOAD (kVA)	AMP	POLE	CKT NO			
1	200	3		EX. PANEL	0.0	A	B	C	0.0	SPARE		225	3	2			
3	—	—		154-3EC1 / 154-4EC1	0.0	0.0	0.0	0.0	0.0			—	—	4			
5	—	—		(NOTE 1)	0.0	0.0	0.0	0.0	0.0			—	—	6			
7	225	3		SPARE	0.0	0.0	0.0	0.0	0.0	SPARE	225	3	8				
9	—	—			0.0	0.0	0.0	0.0	0.0			—	—	10			
11	—	—			0.0	0.0	0.0	0.0	0.0			—	—	12			
13	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	14			
15	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	16			
17	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	18			
19	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	20			
21	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	22			
23	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	24			
25	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	26			
27	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	28			
29	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	30			
31	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	32			
33	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	34			
35	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	36			
37	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	38			
39	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	40			
41	—	—		SPACE	0.0	0.0	0.0	0.0	0.0	SPACE		—	—	42			
TOTALS:					CONNECTED kVA PER PHASE	0	0	0	0	CONNECTED TOTAL kVA	0						
					CONNECTED AMPS PER PHASE	0	0	0	0	CONNECTED AVERAGE AMPS PER PHASE	0						
NEC DIVERSIFIED LOAD CALCULATIONS																	
LIGHTING 0kVA @125% =			0 kVA			ALL OTHER LOADS @100% =			0 kVA			DIVERSIFIED TOTAL kVA = 0					
RECEPTACLES 0kVA @100% =			0 kVA			25% OF LARGEST MOTOR =			0 kVA			AVERAGE AMPS PER PHASE = 0					
REMAINDER 0kVA @ 50% =			0 kVA														

NOTES LEGEND:
1. RECIRCUIT EXISTING PANELS FROM EXISTING PANEL "154-DEC" TO NEW PANEL "154-NDEC2" AS INDICATED. REFER TO ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.

PANEL "154-LAB1"																	
VOLTS/PHASE/WIRE:			PANEL SIZE & TYPE:			MAIN SIZE & TYPE:			LOCATION:			CABINET:			NOTES:		
120/208 V, 3 PH 4 WIRE			22" W x 6" D, BOLT-ON			225 AMPERE MAIN LUGS			LAB ELECTRICAL ROOM			SURFACE					
ACCESSORIES: PANEL DIRECTORY, IDENTIFICATION, GROUNDING BAR, INSULATED GROUND BAR, SUBFEED LUGS, 22,000 A.I.C.																	
CKT NO	AMP	POLE	LOAD (kVA)	DESCRIPTION	LCL kVA	PHASE LOAD			LCL kVA	DESCRIPTION	LOAD (kVA)	AMP	POLE	CKT NO			
1	20	1	1.2	CONFERENCE ROOM REC.	1.2	2.6			1.8	STORAGE LIGHTING	1.4	20	1	2			
3	20	1	1.0	PHLEB/BATH RECEPT.	1.0	2.7			2.1	LOCKER/BREAK RM. LTG.	1.7	20	1	4			
5	20	1	1.6	RECEPTION/STORAGE REC.	1.6		3.1	1.9		CORRIDOR LIGHTING	1.5	20	1	6			
7	20	1	1.6	LOCKER ROOM RECEPT.	1.6	2.8			1.5	CONFERENCE/OFFICE LTG.	1.2	20	1	8			
9	20	1	1.2	STAFF LOUNGE RECEPT.	1.2	2.2			1.3	OFFICE/BATH LTG.	1.0	20	1	10			
11	20	1		REFRIGERATOR	1.5		2.5	1.3		LAB UNDERCABINET LTG.	1.0	20	1	12			
13	20	1	1.5	MICROWAVE	1.5	2.4			1.1	OFFICE LIGHTING	0.9	20	1	14			
15	20	1	0.2	KITCHEN RECEPT.	0.2		1.3		1.4	LAB LIGHTING	1.1	20	1	16			
17	20	1	0.2	KITCHEN RECEPT.	0.2		1.5	1.6		LAB LIGHTING	1.3	20	1	18			
19	20	1	1.6	OFFICE RECEPT.	1.6	2.9			1.6	LAB LIGHTING	1.3	20	1	20			
21	20	1	1.6	OFFICE RECEPT.	1.6		2.4		1.0	LAB LIGHTING	0.8	20	1	22			
23	20	1	1.6	OFFICE RECEPT.	1.6		3.2		2.0	LAB LIGHTING	1.6	20	1	24			
25	20	1	0.2	BATH RECEPT.	0.2	1.5			1.6	LAB LIGHTING	1.3	20	1	26			
27	20	1	1.4	CORRIDOR/LAB RECEPT.	1.4		2.2	0.8		LAB RECEPT.	0.8	20	1	28			
29	20	1	1.2	CORRIDOR/LAB RECEPT.	1.2		1.7	0.5		FAN COIL UNIT	0.5	20	1	30			
31	20	1	0.2	TANK ROOM RECEPT.	0.2	0.4			0.2	ELEC. ROOM RECEPT.	0.2	20	1	32			
33	20	1	0.4	TELE/DATA ROOM RECEPT.	0.4		0.9		0.5	TERMINAL BOX CONTROLS	0.5	20	1	34			
35	20	1	0.4	TELE/DATA ROOM RECEPT.	0.4		0.9		0.5	TERMINAL BOX CONTROLS	0.5	20	1	36			
37	20	1	1.6	OFFICE/LAB RECEPT.	1.6	2.1			0.5	TERMINAL BOX CONTROLS	0.5	20	1	38			
39	20	1	1.6	OFFICE RECEPT.	1.6	2.8			1.2	XYLENE RECYCLER	1.2	20	1	40			
41	20	1	1.4	CORR./MECH. RECEPT.	1.4		1.8	0.5		MECH. ROOM LIGHTING	0.4	20	1	42			
43	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	44			
45	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	46			
47	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	48			
49	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	50			
51	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	52			
53	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	54			
55	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	56			
57	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	58			
59	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	60			
61	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	62			
63	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	64			
65	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	66			
67	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	68			
69	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	70			
71	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	72			
73	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	74			
75	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	76			
77	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	78			
79	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	80			
81	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	82			
83	20	1		SPARE	0.0	0.0			0.0	SPARE		20	1	84			
TOTALS:					CONNECTED kVA PER PHASE	15	15	15		CONNECTED TOTAL kVA	44						
					CONNECTED AMPS PER PHASE	123	121	123		CONNECTED AVERAGE AMPS PER PHASE	122						
NEC DIVERSIFIED LOAD CALCULATIONS																	
LIGHTING 17kVA @125% =			21 kVA			ALL OTHER LOADS @100% =			6 kVA			DIVERSIFIED TOTAL kVA = 42					
RECEPTACLES 10kVA @100% =			10 kVA			25% OF LARGEST MOTOR =			0 kVA			AVERAGE AMPS PER PHASE = 118					
REMAINDER 11kVA @ 50% =			6 kVA														

EXISTING PANEL "154-2EC5"																	
VOLTS/PHASE/WIRE:			PANEL SIZE & TYPE:			MAIN SIZE & TYPE:			LOCATION:			CABINET:			NOTES:		
120/208 V, 3 PH 4 WIRE			22" W x 6" D, BOLT-ON			225 AMPERE MAIN LUGS			LAB ELECTRICAL CLOSET			RECESSED			EXISTING		
ACCESSORIES: IDENTIFICATION, GROUNDING BAR, INSULATED GROUND BAR, 30,000 A.I.C.																	
CKT NO	AMP	POLE	LOAD (kVA)	DESCRIPTION	LCL kVA	PHASE LOAD			LCL kVA	DESCRIPTION	LOAD (kVA)	AMP	POLE	CKT NO			
1	20	1		LAB BENCH RECEPT.	0.0	1.3			1.3	CENTRIFUGE (A23)	1.3	20	1	2			
3	20	1		LAB BENCH RECEPT.	0.0	1.0			1.0	HOT PLATE (A26)	1.0	20	1	4			
5	20	1		LAB BENCH RECEPT.	0.0		1.5	1.5		OVEN (A21)	1.5	20	1	6			
7	20	1		LAB BENCH RECEPT.	0.0	1.2			1.2	AUTOSTRAINER (A17)	1.2	20	1	8			
9	20	1		LAB BENCH RECEPT.	0.0		1.5	1.5		REFRIGERATOR (A37)	1.5	20	1	10			
11	20	1		LAB BENCH RECEPT.	0.0		1.6	1.6		CRYOSTAT (A7)	1.6	20	1	12			
13	20	1		LAB BENCH RECEPT.	0.0	1.6			1.6	CRYOSTAT (A7)	1.6	20	1	14			
15	20	1		LAB BENCH RECEPT.	0.0		1.5	1.5		GROSSING STATION (A4)	1.5	20	1	16			
17	20	1		LAB BENCH RECEPT.	0.0		1.3	1.3		TISSUE PROCESSING (A9)	1.3	20	1	18			
19	20	1		LAB BENCH RECEPT.	0.0	1.5			1.5	DISHWASHER (A30)	1.5	20	1	20			
21	20	1		LAB BENCH RECEPT.	0.0	0.3			0.3	WATER REAGENT (A31)	0.3	20	1	22			
23	20	1		LAB BENCH RECEPT.	0.0		0.3	0.3		REFRIGERATOR (A24)	0.3	20	1	24			
25	20	1		AUTOPSY BENCH RECEPT.	0.0	0.6			0.6	AUTOSTRAINER (A16)	0.6	20	1	26			
27	20	1		AUTOPSY BENCH RECEPT.	0.0		1.5	1.5		EMBEDDING (A11/A12)	1.5	20	1	28			
29	20	1		AUTOPSY RECEPT.	0.0		0.0	0.0		SPARE		20	1	30			
31	20	1		AUTOPSY RECEPT.	0.0	1.0			1.3	AUTOPSY LIGHTING	1.0	20	1	32			
33	20	1		AUTOPSY RECEPT.	0.0		1.0	1.0		AUTOPSY TABLE RECEPT.	1.0	20	1	34			
35	20	1		SPARE	0.0		2.0	2.0		AUTOPSY BODY COOLER	2.0	20	2	36			
37	20	1		SPARE	0.0	2.0			2.0	(NOTE 1)	2.0	—	—	38			