

MFG EXISTING										TYPE EXISTING										KEY NOTES: 1, 2										PANEL RATING										225 AMPS									
VOLTS 120/208V 3Ø4W										PANEL "L"										TYPE 1																													
BUS A (KVA)	BUS B (KVA)	BUS C (KVA)	LOAD	KEY NOTES	COND	WIRE SIZE	GND	AMPS	CKT	CKT	AMPS	GND	WIRE SIZE	COND	KEY NOTES	LOAD	BUS A (KVA)	BUS B (KVA)	BUS C (KVA)																														
0.8			CLASSROOM LIGHTS	3	*	*	*	20	1	2	20	12	12	1/2"	3	CORRIDOR LIGHTS	0.6																																
	0.8		CLASSROOM LIGHTS	3	*	*	*	20	3	4	20	12	12	1/2"	3	CORRIDOR LIGHTS			0.6																														
		0.8	CLASSROOM LIGHTS	3	*	*	*	20	5	6	20	12	12	1/2"	3	CORRIDOR LIGHTS				0.6																													
0.8			CLASSROOM LIGHTS	3	*	*	*	20	7	8	20	12	12	1/2"	3	UPPER LOBBY LIGHTS	1.0																																
	0.8		COMP LAB LIGHTS	3	*	*	*	20	9	10	20	12	12	1/2"	3	LOWER LOBBY		1.3																															
		0.9	LANGUAGE LAB LIGHTS	3	*	*	*	20	11	12	20	12	12	1/2"	3	CORRIDOR LIGHTS				0.5																													
0.5			STUDENT LOUNGE LIGHTS	3	*	*	*	20	13	14	20	12	12	1/2"	3	LIBRARY LIGHTS	0.9																																
	0.8		OFFICE LIGHTS	3	*	*	*	20	15	16	20	12	12	1/2"	3	LIBRARY LIGHTS			0.6																														
		0.6	GROUP STUDY LIGHTS	3	*	*	*	20	17	18	20	12	12	1/2"	3	LIBRARY LIGHTS				0.7																													
1.0			FACILITY OFFICE LIGHTS	3	*	*	*	20	19	20	20	12	12	1/2"	3	LIBRARY LIGHTS	0.7																																
	1.3		FACILITY OFFICE LIGHTS	3	*	*	*	20	21	22	20	12	12	1/2"	3	OFFICE LIGHTS			0.9																														
		0.8	OFFICE/CONF LIGHTS	3	*	*	*	20	23	24	20	12	12	1/2"	3	OFFICE LIGHTS				0.8																													
1.0			EXISTING LOAD	3	*	*	*	20	25	26	20	12	12	1/2"	3	OFFICE LIGHTS	1.3																																
	0.4		EXISTING LOAD	3	*	*	*	20	27	28	20	12	12	1/2"	3	CORRIDOR LIGHTS			0.6																														
		0.4	EXISTING LOAD	3	*	*	*	20	29	30	20	12	12	1/2"	3	CORRIDOR LIGHTS				0.4																													
0.4			EXISTING LOAD	3	*	*	*	20	31	32	20	12	12	1/2"	3	SPARE	-																																
	-		SPACE	3	-	-	-	-	33	34	20	12	12	1/2"	3	LIGHTING CONTACTOR			0.4																														
		-	SPACE	3	-	-	-	-	35	36	-	-	-	-	3	SPACE			-																														
9.1			PANEL 2L	3	*	*	*	100	37	38	100	8	3	1-1/4"	4	PANEL L2	7.1																																
	9.1								39	40									6.1																														
		9.1							41	42									4.2																														
TOTALS																																																	
KVA ØA	KVA ØB	KVA ØC	REMARKS & KEY NOTES																																														
25.2	23.7	19.8	1. EXISTING 3P-225A MCB. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ACCURATE PER-FIELD CONDITIONS AND A TYPED-UP PANEL SCHEDULE UPON COMPLETION OF THE PROJECT.																																														
			2. VERIFY ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PRIOR TO CONSTRUCTION; ALL EQUIPMENT'S ELECTRICAL REQUIREMENTS SHALL BE CONFIRMED WITH MFG SPECS. VERIFY VOLTAGE, AMPERAGE, AND BREAKER SIZES.																																														
			3. EXISTING TO REMAIN.																																														
			4. PROVIDE BREAKER/BRANCH CIRCUIT IN EXISTING SPACE IN PANEL. NOTIFY ENGINEER OF ANY DISCREPANCIES.																																														
LOAD CALCULATIONS PER NEC 220																																																	
1ST 10KVA OF RECEPS.	0.0		AT 100%	0.0																																													
REMAINDER OF RECEPS.	0.0		AT 50%	0.0																																													
LIGHTING	20.1		AT 125%	25.1																																													
LARGEST MOTOR	0.0		AT 125%	0.0																																													
WATER HEATER	0.0		AT 125%	0.0																																													
REMAINDER OF LOADS			AT 100%	48.6																																													
TOTAL KVA				73.7																																													
TOTAL AMPS				204.6																																													
* EXISTING TO REMAIN.																																																	
** FED FROM 3P-225A BREAKER IN PANEL DH 2 OF 2																																																	
MOUNT										EXISTING										MIN A.I.C. 22,000 AMPS (EXISTING VIF)																													