

No.	Date	Revision Notes
1.	2017-05-02	Issued for Construction
2.	2017-06-01	Issued for Add#01E
3.	2017-06-07	Issued for Add#03ME



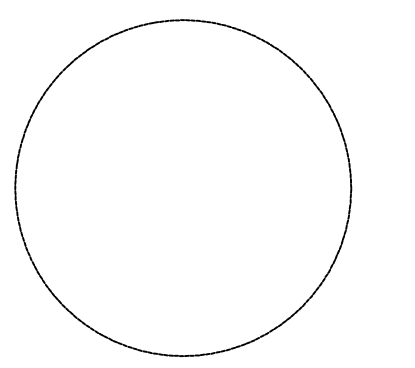
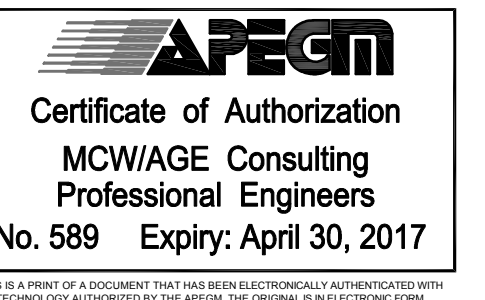
PANEL PA		FED FROM:		MD-1																																					
VOLTAGE: 120/208V/3Ø/4W		225A MAINS		MOUNTING: SURFACE																																					
POWER: NORMAL																																									
DESCRIPTION	LOAD	BRKR	CCT	PHASE	CCT	BRKR	LOAD	DESCRIPTION																																	
EHC 1-1	4000	1	A	31	15	200		REC EXTERIOR																																	
	4000	2	B	32	15	400		REC																																	
	4000	3	C	33	15	600		DOOR ASSIST																																	
FC 1-1	275	4	A	34	15	800		DOOR OPERATOR																																	
	275	5	B	35	15	800		DOOR OPERATOR																																	
BSB-1	500	6	C	36	15	600		PUMP ALARM PANEL																																	
P-2/P-3	666	7	A	37	15	300		REC.																																	
EHC 1-2	2000	8	B	38	15	300		REC.																																	
	2000	9	C	39	15	200		REC.																																	
FC 1-2	2000	10	A	40	15			SIGN																																	
	291	11	B	41	15																																				
	291	12	C	42	15																																				
ECH 0-1B	333	13	A	43	15																																				
	333	14	B	44	15																																				
	333	15	C	45	15																																				
ECH 0-1A	667	16	A	46	15																																				
	667	17	B	47	15																																				
	667	18	C	48	15																																				
CONDENSATE PUMP REC	100	19	A	49	15																																				
BB-5KW/BB-1KW	750	20	B	50	15																																				
	750	21	C	51	15																																				
REC	300	22	A	52	15																																				
REC ELEVATOR	200	23	B	53	15																																				
REC	600	24	C	54	15																																				
REC	400	25	A	55	15																																				
REC	400	26	B	56	15																																				
REC	400	27	C	57	15																																				
REC	300	28	A	58	15																																				
REC WASHROOM	300	29	B	59	15																																				
RADIANT HEATER	750	30	C	60	15																																				
<table border="1"> <tr> <td>LIGHTING</td> <td></td> <td>ELECTRIC WATER HEATING</td> <td></td> <td>MOTORS</td> <td>2.40</td> <td>ELECTRIC RAMP HEATING</td> <td></td> </tr> <tr> <td>PARKING RECEPTACLES</td> <td></td> <td>AIR CONDITIONING</td> <td></td> <td>MISCELLANEOUS LOADS</td> <td>7.10</td> <td>LAUNDRY EQUIPMENT</td> <td></td> </tr> <tr> <td>ELECTRIC HEATING</td> <td>23.25</td> <td>ELEVATOR MOTORS</td> <td></td> <td>ELECTRIC BOILER</td> <td></td> <td>KITCHEN EQUIPMENT</td> <td></td> </tr> <tr> <td colspan="7"></td> <td>TOTAL (kVA)</td> <td>32.75</td> </tr> </table>									LIGHTING		ELECTRIC WATER HEATING		MOTORS	2.40	ELECTRIC RAMP HEATING		PARKING RECEPTACLES		AIR CONDITIONING		MISCELLANEOUS LOADS	7.10	LAUNDRY EQUIPMENT		ELECTRIC HEATING	23.25	ELEVATOR MOTORS		ELECTRIC BOILER		KITCHEN EQUIPMENT									TOTAL (kVA)	32.75
LIGHTING		ELECTRIC WATER HEATING		MOTORS	2.40	ELECTRIC RAMP HEATING																																			
PARKING RECEPTACLES		AIR CONDITIONING		MISCELLANEOUS LOADS	7.10	LAUNDRY EQUIPMENT																																			
ELECTRIC HEATING	23.25	ELEVATOR MOTORS		ELECTRIC BOILER		KITCHEN EQUIPMENT																																			
							TOTAL (kVA)	32.75																																	

PANEL PC		FED FROM:		MD-1																																					
VOLTAGE: 120/208V/3Ø/4W		225A MAINS		MOUNTING: SURFACE																																					
POWER: NORMAL																																									
DESCRIPTION	LOAD	BRKR	CCT	PHASE	CCT	BRKR	LOAD	DESCRIPTION																																	
EHC 1-3	1667	1	A	31	15	600		CONTROL PANEL																																	
	1667	2	B	32	15			SPARE																																	
	1667	3	C	33	20	600		REC																																	
EHC 1-4	2000	4	A	34	20	300		REC																																	
	2000	5	B	35	15	1200		REC MICROWAVE																																	
	2000	6	C	36	15	600		REC FRIDGE																																	
FC 1-3	170	7	A	37	15	400		REC																																	
	170	8	B	38	15	600		REC																																	
FC 1-4	300	9	C	39	15			SPARE																																	
	300	10	A	40	15	100		REC PUMP																																	
	1667	11	B	41	15	400		REC																																	
EHC 0-4	1667	12	C	42	15	300		REC																																	
	1667	13	A	43	15	200		REC																																	
FC 0-4	150	14	B	44	15	300		REC																																	
	150	15	C	45	20	1200		REC COPIER																																	
FC 0-3	300	16	A	46	20	1200		REC																																	
	300	17	B	47	15	300		REC																																	
	667	18	C	48	15	400		REC																																	
EHC 0-3	667	19	A	49		1667		EHC 0-2																																	
	667	20	B	50	15	1667																																			
	667	21	C	51		1667																																			
SPARE		22	A	52	15			SPARE																																	
SPARE		23	B	53	15			SPARE																																	
SPARE		24	C	54	30	2000		FF-4KW																																	
FC 0-1	150	25	A	55	30	2000																																			
	170	26	B	56	20																																				
FC 0-2	170	27	C	57	20																																				
P-1	100	28	A	58	20																																				
BSB-1	100	29	B	59																																					
SPARE		30	C	60	15																																				
<table border="1"> <tr> <td>LIGHTING</td> <td></td> <td>ELECTRIC WATER HEATING</td> <td></td> <td>MOTORS</td> <td>2.68</td> <td>ELECTRIC RAMP HEATING</td> <td></td> </tr> <tr> <td>PARKING RECEPTACLES</td> <td></td> <td>AIR CONDITIONING</td> <td></td> <td>MISCELLANEOUS LOADS</td> <td>8.70</td> <td>LAUNDRY EQUIPMENT</td> <td></td> </tr> <tr> <td>ELECTRIC HEATING</td> <td>27.00</td> <td>ELEVATOR MOTORS</td> <td></td> <td>ELECTRIC BOILER</td> <td></td> <td>KITCHEN EQUIPMENT</td> <td></td> </tr> <tr> <td colspan="7"></td> <td>TOTAL (kVA)</td> <td>38.38</td> </tr> </table>									LIGHTING		ELECTRIC WATER HEATING		MOTORS	2.68	ELECTRIC RAMP HEATING		PARKING RECEPTACLES		AIR CONDITIONING		MISCELLANEOUS LOADS	8.70	LAUNDRY EQUIPMENT		ELECTRIC HEATING	27.00	ELEVATOR MOTORS		ELECTRIC BOILER		KITCHEN EQUIPMENT									TOTAL (kVA)	38.38
LIGHTING		ELECTRIC WATER HEATING		MOTORS	2.68	ELECTRIC RAMP HEATING																																			
PARKING RECEPTACLES		AIR CONDITIONING		MISCELLANEOUS LOADS	8.70	LAUNDRY EQUIPMENT																																			
ELECTRIC HEATING	27.00	ELEVATOR MOTORS		ELECTRIC BOILER		KITCHEN EQUIPMENT																																			
							TOTAL (kVA)	38.38																																	

PANEL PB		FED FROM:		MD-1																																					
VOLTAGE: 120/208V/3Ø/4W		225A MAINS		MOUNTING: SURFACE																																					
POWER: NORMAL																																									
DESCRIPTION	LOAD	BRKR	CCT	PHASE	CCT	BRKR	LOAD	DESCRIPTION																																	
REC DATA RACK	600	20	1	A	22	15																																			
REC DATA RACK	600	20	2	B	23	15																																			
F/A PANEL	600	15	3	C	24	15																																			
SECURITY PANEL	600	15	4	A	25	15																																			
TTB	600	15	5	B	26	15																																			
DDC PANEL	600	15	6	C	27	15																																			
MOTORIZED DAMPER	200	15	7	A	28	15																																			
LTG BASEMENT	870	15	8	B	29	15																																			
LTG BASEMENT	882	15	9	C	30	15																																			
LTG BASEMENT	857	15	10	A	31	15																																			
EXIT SIGNS	200	15	11	B	32	15																																			
MTS	300	15	12	C	33	15																																			
RACK		15	13	A	34	15																																			
		15	14	B	35	15																																			
		15	15	C	36	15																																			
		15	16	A	37	15																																			
		15	17	B	38	15																																			
		15	18	C	39	15																																			
		15	19	A	40	15																																			
		15	20	B	41	15																																			
		15	21	C	42	15																																			
<table border="1"> <tr> <td>LIGHTING</td> <td>2.81</td> <td>ELECTRIC WATER HEATING</td> <td></td> <td>MOTORS</td> <td></td> <td>ELECTRIC RAMP HEATING</td> <td></td> </tr> <tr> <td>PARKING RECEPTACLES</td> <td></td> <td>AIR CONDITIONING</td> <td></td> <td>MISCELLANEOUS LOADS</td> <td>4.10</td> <td>LAUNDRY EQUIPMENT</td> <td></td> </tr> <tr> <td>ELECTRIC HEATING</td> <td></td> <td>ELEVATOR MOTORS</td> <td></td> <td>ELECTRIC BOILER</td> <td></td> <td>KITCHEN EQUIPMENT</td> <td></td> </tr> <tr> <td colspan="7"></td> <td>TOTAL (kVA)</td> <td>6.91</td> </tr> </table>									LIGHTING	2.81	ELECTRIC WATER HEATING		MOTORS		ELECTRIC RAMP HEATING		PARKING RECEPTACLES		AIR CONDITIONING		MISCELLANEOUS LOADS	4.10	LAUNDRY EQUIPMENT		ELECTRIC HEATING		ELEVATOR MOTORS		ELECTRIC BOILER		KITCHEN EQUIPMENT									TOTAL (kVA)	6.91
LIGHTING	2.81	ELECTRIC WATER HEATING		MOTORS		ELECTRIC RAMP HEATING																																			
PARKING RECEPTACLES		AIR CONDITIONING		MISCELLANEOUS LOADS	4.10	LAUNDRY EQUIPMENT																																			
ELECTRIC HEATING		ELEVATOR MOTORS		ELECTRIC BOILER		KITCHEN EQUIPMENT																																			
							TOTAL (kVA)	6.91																																	

PANEL LA		FED FROM:		RECESSED (FLUSH)																																					
VOLTAGE: 120/208V/3Ø/4W		100A MAINS		MOUNTING: SURFACE																																					
POWER: NORMAL																																									
DESCRIPTION	LOAD	BRKR	CCT	PHASE	CCT	BRKR	LOAD	DESCRIPTION																																	
LTG MAIN FLOOR	467	15	1	A	13	15	395	LTG MAIN FLOOR																																	
LTG MAIN FLOOR	700	15	2	B	14	15																																			
LTG MAIN FLOOR	700	15	3	C	15	15																																			
LTG MAIN FLOOR	1200	15	4	A	16	15																																			
LTG MAIN FLOOR	1200	15	5	B	17	15																																			
LTG MAIN FLOOR	324	15	6	C	18	15																																			
LTG MAIN FLOOR	1116	15	7	A	19	15																																			
LTG MAIN FLOOR	930	15	8	B	20	15																																			
LTG MAIN FLOOR	295	15	9	C	21	15																																			
LTG MAIN FLOOR	348	15	10	A	22	15																																			
LTG MAIN FLOOR	875	15	11	B	23	15																																			
EXIT SIGN	200	15	12	C	24	15																																			
<table border="1"> <tr> <td>LIGHTING</td> <td>8.75</td> <td>ELECTRIC WATER HEATING</td> <td></td> <td>MOTORS</td> <td></td> <td>ELECTRIC RAMP HEATING</td> <td></td> </tr> <tr> <td>PARKING RECEPTACLES</td> <td></td> <td>AIR CONDITIONING</td> <td></td> <td>MISCELLANEOUS LOADS</td> <td></td> <td>LAUNDRY EQUIPMENT</td> <td></td> </tr> <tr> <td>ELECTRIC HEATING</td> <td></td> <td>ELEVATOR MOTORS</td> <td></td> <td>ELECTRIC BOILER</td> <td></td> <td>KITCHEN EQUIPMENT</td> <td></td> </tr> <tr> <td colspan="7"></td> <td>TOTAL (kVA)</td> <td>8.75</td> </tr> </table>									LIGHTING	8.75	ELECTRIC WATER HEATING		MOTORS		ELECTRIC RAMP HEATING		PARKING RECEPTACLES		AIR CONDITIONING		MISCELLANEOUS LOADS		LAUNDRY EQUIPMENT		ELECTRIC HEATING		ELEVATOR MOTORS		ELECTRIC BOILER		KITCHEN EQUIPMENT									TOTAL (kVA)	8.75
LIGHTING	8.75	ELECTRIC WATER HEATING		MOTORS		ELECTRIC RAMP HEATING																																			
PARKING RECEPTACLES		AIR CONDITIONING		MISCELLANEOUS LOADS		LAUNDRY EQUIPMENT																																			
ELECTRIC HEATING		ELEVATOR MOTORS		ELECTRIC BOILER		KITCHEN EQUIPMENT																																			
							TOTAL (kVA)	8.75																																	

LUMINAIRE SCHEDULE							
TYPE	MANUFACTURER	CATALOGUE NO.	VOLTS	LAMP	TOTAL WATTS FOR LUM	TYPE OF DRIVER	REMARKS
1	LITHONIA OR EQUAL	4LT 60L ADSM 120V E21 LB 840	120	LED	34	0-10	1X4 RECESSED DIRECT INDIRECT LED
1A	LITHONIA OR EQUAL	2BLT 40L ADSM 120V E21 LP 841	120	LED	30	0-10	2X2 RECESSED DIRECT INDIRECT LED
2	FLUXWERX	PF1 PA 38 3500 W 06 D E1 M 06	120	LED	76	0-10	SUSPENDED LINEAR 8 FOOT LENGTH
2A	FLUXWERX	PF1 PA 38 3500 W 16 D E1 M 06	120	LED	152	0-10	SUSPENDED LINEAR 16 FOOT LENGTH
3	LITHONIA OR EQUAL	ZL1N L48 7000LM FST 120 35K 90CRI WH	120	LED	87		4 FOOT STRIP SURFACE OR SUSPENDED
4	LITHONIA OR EQUAL	FMVTSL 48" MVOLT 30K 90 CRI	120	LED	33	0-10	WALL MOUNTED OVER MIRROR
5	PHILIPS OR EQUAL	SSR 80 35K 7	120	LED	10	0-10	LED 5" SURFACE MOUNTED POT.
6	EUREKA OR EQUAL	4800 36 LED 80 30 120 DV RDP AC 60 RCA SHR WHM 3981C	120	LED	36	0-10	SUSPENDED
6A	EUREKA OR EQUAL	4800 54 LED 128 30 120 DV RDP AC 60 RCA SHR WHM 3981C	120	LED	58	0-10	SUSPENDED
7	EUREKA OR EQUAL	2047 LED 25 35 38 120 DV S10 36 TA1 BL CW TRACK	120	LED	19	0-10	WALL MOUNTED
8	LITHONIA OR EQUAL	MSNP2 60W 120V E21 BLK Y	120	LED	30		WALL MOUNTED
9	LITHONIA OR EQUAL	HP-2D-3-H-835-F-120V-F-A-SC-C4	120	LED			RECESSED IN CEILING SYSTEM



This drawing must not be scaled. The contractors shall verify all dimensions and other data on site prior to commencement of work. Discrepancies, errors, and omissions are to be reported to the Architect prior to proceeding with the Work.

Drawings and specifications as instruments of service are the property of the Architect; the copyright in the same being reserved to him.

No reproduction or revision to these drawings may be made without the permission of the Architect, and when made, must bear his name. All prints to be returned to the Architect upon request.

Project
St. John's Library Renovation

Drawing
PANELBOARD SCHEDULES

Drawn By: RIK
Scale: 1:50
Date: 2017.05.02

Reviewed By: DG
Drawing No.: E5.0R1
Project No.: 1503b
Revision No.: