PANELBOARD: A

LOCATION: STORAGE 103
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 225 A MLO
BUS AMPS: 100 AMPS

VOLTAGE: 120/208 V. 3 ø 4 W.
A.I.C. RATING: 22,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	A		B		C		CKT	POLES	BKR	LOAD DESCRIPTION
ADO VESTIBULE 100...	15 A	1	A-1	0.6	0.6					A-2	1	15 A	ADO VESTIBULE 100...
RCPT MPR 102	15 A	1	A-3			0.5	0.4			A-4	1	15 A	RCPT MPR 102
RCPT MPR 102 - FLOOR	15 A	1	A-5					0.4	0.4	A-6	1	15 A	RCPT MPR 102 - FLOOR
RCPT MAIN LIBRARY 10...	15 A	1	A-7	0.8	0.8					A-8	1	15 A	RCPT MAIN LIBRARY 10...
RCPT MAIN LIBRARY 10...	15 A	1	A-9			0.8	0.4			A-10	1	15 A	RCPT MAIN LIBRARY 10...
FLOOR RCPT MAIN...	15 A	1	A-11					0.8	0.2	A-12	1	15 A	RCPT MAIN LIBRARY 10...
PKG-RCPT	20 A	1	A-13	1.3	1.3					A-14	1	20 A	PKG-RCPT
MOTORIZED BLINDS	15 A	1	A-15			1.0	1.0			A-16	1	15 A	MOTORIZED BLINDS
MOTORIZED BLINDS	15 A	1	A-17					1.0	1.0	A-18	1	15 A	MOTORIZED BLINDS
MOTORIZED BLINDS	15 A	1	A-19	1.0	1.0					A-20	1	15 A	MOTORIZED BLINDS
MOTORIZED BLINDS	15 A	1	A-21			1.0	1.0			A-22	1	15 A	MOTORIZED BLINDS
MOTORIZED BLINDS	15 A	1	A-23					1.0	1.0	A-24	1	15 A	MOTORIZED BLINDS
MOTORIZED BLINDS	15 A	1	A-25	0.5	0.6					A-26	1	15 A	ADO MAIN LIBRARY...
RCPT MAIN LIBRARY 101	15 A	1	A-27			0.2	0.2			A-28	1	15 A	RCPT VESTIBULE 100 -...
RCPT MULTI-PURPOSE...	15 A	1	A-29					0.4	0.2	A-30	1	20 A	RCPT MULTI-PURPOSE...
RCPT MAIN LIBRARY 101	15 A	1	A-31	0.4	0.0					A-32	1	20 A	Spare
Spare	15 A	1	A-33			0.0	0.0			A-34	1	20 A	Spare
Spare	15 A	1	A-35					0.0	0.0	A-36	1	20 A	Spare
Spare	15 A	1	A-37	0.0	0.0					A-38	1	20 A	Spare
FIREPLACE	20 A	1	A-39			0.6	0.2			A-40	1	15 A	RCPT MAIN LIBRARY 10...
RCPT MAIN LIBRARY 101	15 A	1	A-41					0.2	1.2	A-42	1	20 A	RCPT MAIN LIBRARY 10...
RCPT MAIN LIBRARY 10...	20 A	1	A-43	1.2	0.5					A-44	1	20 A	RCPT MULTI-PURPOSE...
FLOOR RCPT MAIN...	15 A	1	A-45			0.8	0.8			A-46	1	15 A	FLOOR RCPT MAIN...
FLOOR RCPT MAIN...	15 A	1	A-47					0.8	0.8	A-48	1	15 A	FLOOR RCPT MAIN...
FLOOR RCPT MAIN...	15 A	1	A-49	0.4	0.6					A-50	1	15 A	ADO MPR
Spare	15 A	1	A-51			0.0	0.0			A-52	--	--	Space
Spare	15 A	1	A-53					0.0	0.0	A-54	--	--	Space
Spare	15 A	1	A-55	0.0	0.0					A-56	--	--	Space
Spare	15 A	1	A-57			0.0	0.0			A-58	--	--	Space
Spare	15 A	1	A-59					0.0	0.0	A-60	--	--	Space
			TOTAL LOAD:	11 kVA		9 kVA		9 kVA					
			TOTAL AMPS:	96 A		72 A		76 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
RCPT	24212 VA	70.65%	17106 VA		
MTR	2400 VA	81.25%	1950 VA	**CONNECTED LOAD:**	29212 VA
PKG-RCPT	2599 VA	100.00%	2599 VA	**ESTIMATED DEMAND:**	21655 VA
				CONNECTED CURRENT:	81 A
				EST. DEMAND CURRENT:	60 A

NOTES:

PANELBOARD: B

LOCATION: STORAGE 114
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 225 A MLO
BUS AMPS: 100 AMPS

VOLTAGE: 120/208 V. 3 ø 4 W.
A.I.C. RATING: MIN 25,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	A		B		C		CKT	POLES	BKR	LOAD DESCRIPTION
DRINKING FOUNTAIN	15 A	1	B-1	0.6	1.2					B-2	1	20 A	RCPT CORRIDOR 107
RCPT OFFICE 104	15 A	1	B-3			0.2	0.4			B-4	1	15 A	RCPT TUTORIAL 105
RCPT TUTORIAL 105	15 A	1	B-5					0.4	0.2	B-6	1	15 A	RCPT IT 113 MTS
RCPT IT 113 SHAW	15 A	1	B-7	0.2	0.4					B-8	1	15 A	RCPT OFFICE 104
RCPT STAFF WC 112	20 A	1	B-9			1.4	1.4			B-10	1	20 A	RCPT MEN'S WC 108
RCPT UNIV. WX 106	20 A	1	B-11					1.4	1.4	B-12	1	20 A	RCPT WOMEN'S WC 109
MTR	20 A	1	B-13	0.6	1.0					B-14	1	20 A	RCPT HOUSEKEEPING
MTR	20 A	1	B-15			0.6	0.6			B-16	1	15 A	MTR
RCPT EXTERIOR	20 A	1	B-17					0.2	0.2	B-18	1	15 A	RCPT CORRIDOR 107
RCPT COMMUNICATION...	20 A	1	B-19	0.2	0.2					B-20	1	20 A	RCPT COMMUNICATION...
RCPT STAFF ROOM...	20 A	1	B-21			0.6	0.6			B-22	1	20 A	RCPT STAFF ROOM...
RCPT STAFF ROOM 116...	15 A	1	B-23					1.2	1.2	B-24	1	15 A	RCPT STAFF ROOM 116...
RCPT LIBRARY SERVIC...	15 A	1	B-25	0.7	0.5					B-26	1	15 A	RCPT LIBRARY SERVIC...
RCPT WORKROOM 115 ...	15 A	1	B-27			0.5	0.4			B-28	1	15 A	RCPT WORKROOM 115
RCPT	20 A	1	B-29					0.2	0.2	B-30	1	20 A	RCPT UNIV. WX 106...
RCPT STAFF WC 112 -...	20 A	1	B-31	0.4	0.2					B-32	1	20 A	RCPT EXTERIOR
RCPT M+E 117	20 A	1	B-33			0.2	0.2			B-34	1	20 A	RCPT M+E 117
TUTORIAL 105 DOOR...	15 A	1	B-35					0.6	0.4	B-36	1	20 A	RCPT CORRIDOR 107
RCPT STAFF WC 112	15 A	1	B-37	1.2	0.0					B-38	1	20 A	Spare
Spare	15 A	1	B-39			0.0	0.0			B-40	1	20 A	Spare
Spare	15 A	1	B-41					0.0	0.0	B-42	1	20 A	Spare
Spare	15 A	1	B-43	0.0	0.0					B-44	1	20 A	Spare
Spare	15 A	1	B-45			0.0	0.0			B-46	1	20 A	Spare
Spare	15 A	1	B-47					0.0	0.0	B-48	--	--	Space
Spare	15 A	1	B-49	0.0	0.0					B-50	--	--	Space
Spare	15 A	1	B-51			0.0	0.0			B-52	--	--	Space
Spare	15 A	1	B-53					0.0	0.0	B-54	--	--	Space
Space	--	--	B-55	0.0	0.0					B-56	--	--	Space
Space	--	--	B-57			0.0	0.0			B-58	--	--	Space
Space	--	--	B-59					0.0	0.0	B-60	--	--	Space
			TOTAL LOAD:	7 kVA		7 kVA		7 kVA					
			TOTAL AMPS:	61 A		58 A		63 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
RCPT	19381 VA	75.80%	14691 VA		
MTR	2400 VA	81.25%	1950 VA	**CONNECTED LOAD:**	21781 VA
				ESTIMATED DEMAND:	16641 VA
				CONNECTED CURRENT:	60 A
				EST. DEMAND CURRENT:	46 A

NOTES:

PANELBOARD: C

LOCATION: M+E 117
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 225 A MLO
BUS AMPS: 100 AMPS

VOLTAGE: 120/208 V. 3 ø 4 W.
A.I.C. RATING: MIN 25,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	A		B		C		CKT	POLES	BKR	LOAD DESCRIPTION
			C-1							C-2			
LITES	20 A	1	C-3			0.3	0.5			C-4	1	20 A	LITES
LITES	20 A	1	C-5					1.0	1.1	C-6	1	20 A	LITES Space 3
LITES M&E 117	15 A	1	C-7	0.1	0.6					C-8	1	20 A	LITES
LITES Space 3	20 A	1	C-9			1.6	1.2			C-10	1	20 A	LITES Space 3
LITES Space 3	20 A	1	C-11					0.7	0.4	C-12	1	20 A	LITES
EXTERIOR LANDSCAPE...	20 A	1	C-13	0.7	0.0					C-14	--	--	Space
Spare	20 A	1	C-15			0.0	0.0			C-16	--	--	Space
Spare	20 A	1	C-17					0.0	0.0	C-18	--	--	Space
Spare	20 A	1	C-19	0.0	0.0					C-20	--	--	Space
Spare	20 A	1	C-21			0.0	0.0			C-22	--	--	Space
Spare	20 A	1	C-23					0.0	0.0	C-24	--	--	Space
Spare	20 A	1	C-25	0.0	0.0					C-26	--	--	Space
Spare	20 A	1	C-27			0.0	0.0			C-28	--	--	Space
Spare	20 A	1	C-29					0.0	0.0	C-30	--	--	Space
			TOTAL LOAD:	2 kVA		4 kVA		3 kVA					
			TOTAL AMPS:	13 A		32 A		30 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
Other	245 VA	100.00%	245 VA		
LITES	7699 VA	100.00%	7699 VA	**CONNECTED LOAD:**	8424 VA
SPEC	480 VA	100.00%	480 VA	**ESTIMATED DEMAND:**	8424 VA
				CONNECTED CURRENT:	23 A
				EST. DEMAND CURRENT:	23 A

NOTES:

PANELBOARD: D

LOCATION: M+E 117
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 225 A MLO
BUS AMPS: 100 AMPS

VOLTAGE: 120/208 V. 3 ø 4 W.
A.I.C. RATING: MIN 25,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	POLES	CKT	A		B		C		CKT	POLES	BKR	LOAD DESCRIPTION
P-5	15 A	1	D-1	0.3	1.2					D-2	1	20 A	P-3
F-2	15 A	1	D-3			0.7	1.2			D-4	1	20 A	P-4
F-3	20 A	1	D-5					0.7	1.4	D-6	2	30 A	P-1
VAV-1 & VAV-2	15 A	1	D-7	0.2	1.4					D-8			
P-2	30 A	2	D-9			1.4	0.9			D-10	3	15 A	ERV-1
			D-11					1.4	0.9	D-12			
BOILER B-1	15 A	1	D-13	0.6	0.9					D-14			
BOILER B-2	15 A	1	D-15			0.6	1.7			D-16	1	20 A	P-6 & P-7
DDC CONTROL PANEL	15 A	1	D-17					0.2	0.6	D-18	1	15 A	DWH-1
UH-1	15 A	1	D-19	0.4	2.0					D-20	2	30 A	HEAT VESTIBULE 100
F-1	15 A	1	D-21			0.7	2.0			D-22			
WATER SOFTENER	15 A	1	D-23					0.2	1.6	D-24	2	20 A	CU-1 & AC-1
Spare	15 A	1	D-25	0.0	1.6					D-26			
Spare	15 A	1	D-27			0.0	0.0			D-28	1	20 A	Spare
Spare	15 A	1	D-29					0.0	0.0	D-30	1	20 A	Spare
Spare	15 A	1	D-31	0.0	0.0					D-32	1	20 A	Spare
Spare	15 A	1	D-33			0.0	0.0			D-34	1	20 A	Spare
Spare	15 A	1	D-35					0.0	0.0	D-36	1	20 A	Spare
Space	--	--	D-37	0.0	0.0					D-38	--	--	Space
Space	--	--	D-39			0.0	0.0			D-40	--	--	Space
Space	--	--	D-41					0.0	0.0	D-42	--	--	Space
			TOTAL LOAD:	9 kVA		9 kVA		7 kVA					
			TOTAL AMPS:	73 A		78 A		58 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
MTR	17301 VA	78.97%	13662 VA		
SPEC	240 VA	100.00%	240 VA	**CONNECTED LOAD:**	24661 VA
HEAT	4000 VA	0.01%	0 VA	**ESTIMATED DEMAND:**	17023 VA
AC	3120 VA	100.00%	3120 VA	**CONNECTED CURRENT:**	68 A
				EST. DEMAND CURRENT:	47 A

NOTES:

APEGM
Certificate of Authorization
Epp Siepman Engineering Inc.
No. 4035

PROVINCE OF MANITOBA
M.G. PENNER
Member
23792
2016-03-31
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PROJECT
Windsor Park Library

ADDRESS
1201 Archibald Street

DATE
February 28, 2016

SCALE

electrical schedules

E6.3