PANELBOARD: FN

LOCATION: DRY STORAGE 1:107A
MOUNTING: RECESSED NEMA1
MAIN DEVICE: 400 A MLO
BUS AMPS: 400 AMPS
VOLTAGE: 120/208 V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	P	CKT	A		B		C		CKT	P	BKR	LOAD DESCRIPTION
RCPT 14-50R EQ-11 FOOD & NUTRITION 1:107	15 A	2	FN-1	4.2	2.8					FN-2	2	40 A	EQ-29 ELECTRIC COOKTOP FOOD &...
			FN-3			4.2	2.8			FN-4			
CORD REEL FOOD &...	15 A	1	FN-5					0.2	0.2	FN-6	1	15 A	CORD REEL FOOD &...
CORD REEL FOOD &...	15 A	1	FN-7	0.2	0.2					FN-8	1	15 A	CORD REEL FOOD &...
CORD REEL FOOD &...	15 A	1	FN-9			0.2	0.2			FN-10	1	15 A	CORD REEL FOOD &...
RCPT RMS 1:107, 1:106G	20 A	1	FN-11					1.2	1.2	FN-12	1	20 A	RCPT RMS , 1:107
EQ-12 MICROWAVE FOO...	20 A	1	FN-13	1.2	1.2					FN-14	1	20 A	RCPT RMS 1:107
RCPT FOOD & NUTRITIO...	20 A	1	FN-15			0.2	0.6			FN-16	1	20 A	RCPT FOOD & NUTRITIO...
EQ-15 UPRIGHT FREEZE...	15 A	1	FN-17					1.2	0.6	FN-18	1	20 A	FOOD NUTRITION CORD...
FOOD NUTRITION CORD...	15 A	1	FN-19	0.6	4.2					FN-20	2	15 A	RCPT 14-50R EQ-11 FOOD & NUTRITION 1:107
FOOD NUTRITION CORD...	15 A	1	FN-21			0.6	4.2			FN-22			
RCPT 14-50R EQ-11 FOOD & NUTRITION 1:107	15 A	2	FN-23					4.2	4.2	FN-24	2	15 A	RCPT 14-50R EQ-11 FOOD & NUTRITION 1:107
			FN-25	4.2	4.2					FN-26			
RCPT 14-50R EQ-11 FOOD & NUTRITION 1:107	15 A	2	FN-27			4.2	4.2			FN-28	2	15 A	RCPT 14-50R EQ-11 FOOD & NUTRITION 1:107
			FN-29					4.2	4.2	FN-30			
EQ-04 REFRIGERATOR	15 A	1	FN-31	1.2	1.2					FN-32	1	15 A	EQ-03A DISHWASHER...
EQ-03A DISHWASHER	15 A	1	FN-33			1.2	1.2			FN-34	1	15 A	EQ-03B COMMERCIAL...
EQ-03A DISHWASHER...	15 A	1	FN-35					1.2	1.2	FN-36	1	15 A	EQ-03A DISHWASHER
EQ-03A DISHWASHER	15 A	1	FN-37	1.2	1.2					FN-38	1	20 A	EQ-12 MICROWAVE...
EQ-12 MICROWAVE FOO...	20 A	1	FN-39			1.2	1.2			FN-40	1	20 A	EQ-12 MICROWAVE...
EQ-12 MICROWAVE FOO...	20 A	1	FN-41					1.2	1.2	FN-42	1	20 A	EQ-12 MICROWAVE...
EQ-12 MICROWAVE...	20 A	1	FN-43	1.2	1.2					FN-44	1	20 A	RCPT RMS 1:107
RCPT RMS , 1:107	20 A	1	FN-45			1.2	1.2			FN-46	1	20 A	RCPT FOOD & NUTRITIO...
RCPT RMS 1:107	20 A	1	FN-47					1.2	1.2	FN-48	1	20 A	RCPT RMS , 1:107
RCPT FOOD & NUTRITIO...	20 A	1	FN-49	1.2	0.2					FN-50	1	15 A	RCPT RMS 1:107
RCPT	15 A	1	FN-51			0.4	0.1			FN-52	1	15 A	SK-8 HARD-WIRED...
FOOD NUTRITION CORD...	20 A	1	FN-53					0.6	0.6	FN-54	1	20 A	FOOD NUTRITION CORD...
FOOD NUTRITION CORD...	20 A	1	FN-55	0.6	0.1					FN-56	1	15 A	RCPT LAUNDRY 1:107B
RCPT LAUNDRY 1:107B	15 A	1	FN-57			0.1	1.2			FN-58	1	15 A	LAUNDRY 1:107B
RCPT 14-30R LAUNDRY 1:107B	15 A	2	FN-59					2.5	0.2	FN-60	1	15 A	RCPT RMS 1:107A, 1:107B
			FN-61	2.5	3.2					FN-62	2	40 A	EQ-30 WALL OVEN FOOD & NUTRITION 1:107
			FN-63				3.2			FN-64			
			FN-65							FN-66			
			FN-67							FN-68			
			FN-69							FN-70			
			FN-71						0.0	FN-72	1	15 A	SPARE
SPARE	15 A	1	FN-73	0.0	0.0					FN-74	1	15 A	SPARE
SPARE	15 A	1	FN-75			0.0	0.0			FN-76	1	15 A	SPARE
SPARE	15 A	1	FN-77					0.0	0.0	FN-78	1	15 A	SPARE
SPARE	20 A	1	FN-79	0.0	0.0					FN-80	1	20 A	SPARE
SPARE	20 A	1	FN-81			0.0	0.0			FN-82	1	20 A	SPARE
SPARE	20 A	1	FN-83					0.0	0.0	FN-84	1	20 A	SPARE
			TOTAL LOAD:	38 kVA		33 kVA		32 kVA					
			TOTAL AMPS:	317 A		280 A		269 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
RCPT	22392 VA	50.00%	11196 VA		
KTCH	81184 VA	65.00%	52770 VA	**CONNECTED LOAD:**	103696 VA
CONTROLS	120 VA	50.00%	60 VA	**ESTIMATED DEMAND:**	64026 VA
				CONNECTED CURRENT:	288 A
				EST. DEMAND CURRENT:	178 A

NOTES:

PANELBOARD: CWA

LOCATION: STORAGE ROOM 1:103C
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 400 A MLO
BUS AMPS: 400 AMPS
VOLTAGE: 120/208 V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	P	CKT	A		B		C		CKT	P	BKR	LOAD DESCRIPTION
CORD REEL CONST. &...	20 A	1	CWA-1	0.2	2.2					CWA-2	1	20 A	C-10 EDGE SANDER...
CORD REEL CONST. &...	20 A	1	CWA-3			0.2	1.0			CWA-4	1	20 A	C-05B DRILL PRESS...
C-05A DRILL PRESS...	20 A	1	CWA-5					1.0	3.2	CWA-6	2	70 A	C-11 JOINTER CONST. & WOOD TECHNOLOGY 1:100
CORD REEL CONST. &...	20 A	1	CWA-7	0.2	3.2					CWA-8			
C-14 MITRE SAW CONST....	20 A	1	CWA-9			1.8	1.0			CWA-10	2	20 A	BANDSAW
CORD REEL CONST. &...	20 A	1	CWA-11					0.2	1.0	CWA-12			
C-21A LATHE CONST. & WOOD TECHNOLOGY 1:100	40 A	2	CWA-13	1.2	0.2					CWA-14	1	20 A	CORD REEL CONST. &...
			CWA-15			1.2	1.7			CWA-16	2	60 A	C-23 CNC SPINDLE CONST. & WOOD TECHNOLOGY...
CORD REEL CONST. &...	20 A	1	CWA-17					0.2	1.7	CWA-18			
C-02A SCROLL SAW...	20 A	1	CWA-19	0.2	1.4					CWA-20	1	20 A	C-19A ROUTER TABLE...
CORD REEL CONST. &...	20 A	1	CWA-21			0.2	0.2			CWA-22	1	20 A	CORD REEL CONST. &...
C-02C SCROLL SAW...	20 A	1	CWA-23					0.2	1.4	CWA-24	1	20 A	SPINDLE SANDER
			CWA-25							CWA-26			
C-02B SCROLL SAW...	20 A	1	CWA-27			0.2	1.4			CWA-28	1	20 A	C-19B ROUTER TABLE...
			CWA-29						1.0	CWA-30	2	15 A	RCPT C-13 CONST. & WOOD TECHNOLOGY 1:100
BANDSAW	20 A	2	CWA-31	1.0	1.0					CWA-32			
			CWA-33			1.0	1.0			CWA-34	2	20 A	BANDSAW
			CWA-35						1.0	CWA-36			
C-21B LATHE CONST. & WOOD TECHNOLOGY 1:100	40 A	2	CWA-37	1.2						CWA-38			
			CWA-39			1.2	1.2			CWA-40	2	40 A	C-21C LATHE CONST. & WOOD TECHNOLOGY 1:100
RCPT C-15 CONST. & WOOD TECHNOLOGY 1:100	15 A	2	CWA-41					1.2	1.2	CWA-42			
			CWA-43	1.2	1.0					CWA-44	3	20 A	C-22 SPRAY BOOTH CONST. & WOOD TECHNOLOGY 1:100
C-06 TABLE SAW AND EXTENSION CONST. & WOOD TECHNOLOGY 1:100	50 A	3	CWA-45			2.2	1.0			CWA-46			
			CWA-47					2.2	1.0	CWA-48			
			CWA-49	2.2	6.5					CWA-50	3	100 A	C-07 PLANER CONST. & WOOD TECHNOLOGY 1:100
			CWA-51				6.5			CWA-52			
			CWA-53						6.5	CWA-54			
			CWA-55							CWA-56			
			CWA-57							CWA-58			
			CWA-59							CWA-60			
			CWA-61							CWA-62			
			CWA-63							CWA-64			
			CWA-65							CWA-66			
			CWA-67							CWA-68			
			CWA-69							CWA-70			
			CWA-71							CWA-72			
			CWA-73							CWA-74			
			CWA-75							CWA-76			
			CWA-77							CWA-78			
SPARE	15 A	1	CWA-79	0.0						CWA-80			
SPARE	15 A	1	CWA-81			0.0	0.0			CWA-82	1	20 A	SPARE
SPARE	15 A	1	CWA-83					0.0	0.0	CWA-84	1	20 A	SPARE
			TOTAL LOAD:	23 kVA		23 kVA		23 kVA					
			TOTAL AMPS:	192 A		193 A		193 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
RCPT	12256 VA	50.00%	6128 VA		
CONST	57004 VA	65.00%	37053 VA	**CONNECTED LOAD:**	69260 VA
				ESTIMATED DEMAND:	43181 VA
				CONNECTED CURRENT:	192 A
				EST. DEMAND CURRENT:	120 A

NOTES:

PANELBOARD: CWB

LOCATION: STORAGE ROOM 1:103C
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 400 A MLO
BUS AMPS: 400 AMPS
VOLTAGE: 120/208 V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	P	CKT	A		B		C		CKT	P	BKR	LOAD DESCRIPTION
			CWB-1							CWB-2			
			CWB-3							CWB-4			
			CWB-5							CWB-6			
			CWB-7							CWB-8			
			CWB-9							CWB-10			
			CWB-11							CWB-12			
			CWB-13							CWB-14			
			CWB-15							CWB-16			
			CWB-17							CWB-18			
			CWB-19							CWB-20			
			CWB-21							CWB-22			
			CWB-23							CWB-24			
			CWB-25							CWB-26			
			CWB-27							CWB-28			
			CWB-29							CWB-30			
			CWB-31							CWB-32			
			CWB-33							CWB-34			
			CWB-35							CWB-36			
SPARE	15 A	1	CWB-37	0.0						CWB-38			
SPARE	15 A	1	CWB-39			0.0	0.0			CWB-40	1	20 A	SPARE
SPARE	15 A	1	CWB-41					0.0	0.0	CWB-42	1	20 A	SPARE
			TOTAL LOAD:	0 kVA		0 kVA		0 kVA					
			TOTAL AMPS:	0 A		0 A		0 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
				CONNECTED LOAD:	0 VA
				ESTIMATED DEMAND:	0 VA
				CONNECTED CURRENT:	0 A
				EST. DEMAND CURRENT:	0 A

NOTES:

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
Epp Siepman Engineering Inc.
No. 4035

This is a print of a document that has been electronically authenticated with technology authorized by the Engineers Geoscientists Manitoba. The original is in electronic form.

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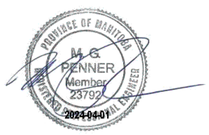
No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR TENDER	JS/MP	24-04-01

SEAL



EW DRAWN	MP/KG CHECKED	KG DESIGNED	MP/KG APPROVED
DATE 2024-04-01	USER APPROVAL		

Winnipeg
THE CITY OF WINNIPEG
ASSETS & PROJECT MANAGEMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3-65 GARRY STREET, R3C 4K4

PROJECT
PEMBINA TRAILS COLLEGIATE
VOCATIONAL WING
TENDER NO. 954-2023B
50 FRONTIER TRAIL, WINNIPEG, MANITOBA, R3Y 2H1

SHEET TITLE
Electrical Panel Schedules - Part 5

SCALE	PROJECT No:	SHEET No:
	2020-127	E6.14

DRAWING SHEET SIZE: A1 (594x841) PLOT 1:1
ESE 24049