PANELBOARD: P2E

LOCATION: MECH. MEZZ. 1M:02
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 225 A MLO
BUS AMPS: 225 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	20 A	1	P2E-1	0.2	0.7					P2E-2	1	20 A	RCPT MACHINING &...
RCPT RMS 1:103C, 1:103B	15 A	1	P2E-3			0.6	0.7			P2E-4	1	20 A	RCPT MACHINING &...
AIR COMPRESSOR	20 A	1	P2E-5					1.9	0.2	P2E-6	1	20 A	RCPT
AIR COMPRESSOR	20 A	1	P2E-7	1.9	0.0					P2E-8	2	15 A	OHD-2 OVERHEAD DOOR MACHINING & WELDING...
RCPT RMS 1:100A, 1:103	20 A	1	P2E-9			1.0	0.0			P2E-10			
RCPT CONST. & WOOD...	15 A	1	P2E-11					0.1	0.2	P2E-12	1	20 A	RCPT
RCPT LOCKER ROOM...	15 A	1	P2E-13	0.1	0.2					P2E-14	1	20 A	RCPT
OHD-1 OVERHEAD DOOR CONST. & WOOD...	15 A	2	P2E-15			0.0	0.2			P2E-16	1	20 A	RCPT
			P2E-17					0.0	0.2	P2E-18	1	20 A	
RCPT	15 A	1	P2E-19	0.1	0.2					P2E-20	1	20 A	RCPT
RCPT	20 A	1	P2E-21			0.2	0.2			P2E-22	1	20 A	
RCPT	20 A	1	P2E-23					0.2	0.2	P2E-24	1	15 A	RCPT DESIGN LAB 1:101
RCPT	20 A	1	P2E-25	0.2	0.2					P2E-26	1	20 A	
			P2E-27				0.2			P2E-28	1	20 A	RCPT CONST. & WOOD...
RCPT	20 A	1	P2E-29					0.2	0.2	P2E-30	1	20 A	RCPT CONST. & WOOD...
CORD REEL CONST. &...	15 A	1	P2E-31	0.2	0.2					P2E-32	1	20 A	RCPT CONST. & WOOD...
CORD REEL CONST. &...	15 A	1	P2E-33			0.2	0.5			P2E-34	1	20 A	RCPT STORAGE ROOM...
RCPT EXTERIOR...	20 A	1	P2E-35					0.2	0.2	P2E-36	1	20 A	RCPT CONST. & WOOD...
RCPT CONST. & WOOD...	20 A	1	P2E-37	0.2	0.5					P2E-38	1	20 A	RCPT STORAGE ROOM...
RCPT EXTERIOR...	20 A	1	P2E-39			0.2	0.5			P2E-40	1	20 A	RCPT CONST. & WOOD...
RCPT CONST. & WOOD...	20 A	1	P2E-41					0.2	0.5	P2E-42	1	20 A	RCPT CONST. & WOOD...
RCPT STORAGE ROOM...	20 A	1	P2E-43	0.5	0.1					P2E-44	1	20 A	EXTERIOR ARBOUR RCPT
RCPT CONST. & WOOD...	20 A	1	P2E-45			0.2	0.1			P2E-46	1	15 A	EXTERIOR ARBOUR RCPT
RCPT STORAGE ROOM...	20 A	1	P2E-47					0.5	0.1	P2E-48	1	20 A	TANK STORAGE RCPT
RCPT STORAGE ROOM...	20 A	1	P2E-49	0.5						P2E-50			
RCPT MACHINING &...	20 A	1	P2E-51			0.5				P2E-52			
RCPT CONST. & WOOD...	15 A	1	P2E-53					0.5		P2E-54			
			P2E-55							P2E-56			
			P2E-57							P2E-58			
			P2E-59							P2E-60			
			P2E-61							P2E-62			
			P2E-63							P2E-64			
			P2E-65							P2E-66			
			P2E-67							P2E-68			
			P2E-69							P2E-70			
			P2E-71							P2E-72			
			P2E-73							P2E-74			
			P2E-75							P2E-76			
			P2E-77							P2E-78			
SPARE	15 A	1	P2E-79	0.0						P2E-80			
SPARE	15 A	1	P2E-81			0.0	0.0			P2E-82	1	20 A	SPARE
SPARE	15 A	1	P2E-83					0.0	0.0	P2E-84	1	20 A	SPARE
			TOTAL LOAD:	6 kVA		5 kVA		6 kVA					
			TOTAL AMPS:	51 A		44 A		48 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
RCPT	13200 VA	50.00%	6600 VA		
MTR	0 VA	0.00%	0 VA	**CONNECTED LOAD:**	17040 VA
CONST	3840 VA	65.00%	2496 VA	**ESTIMATED DEMAND:**	9096 VA
				CONNECTED CURRENT:	47 A
				EST. DEMAND CURRENT:	25 A

NOTES:

PANELBOARD: P2F

LOCATION: MECH. MEZZ. 1M:02
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 225 A MLO
BUS AMPS: 225 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
CRAWLSPACE	15 A	1	P2F-1	0.5	0.2					P2F-2	1	15 A	CRAWLSPACE
RCPT	20 A	1	P2F-3			0.2	0.2			P2F-4	1	20 A	RCPT
RCPT	20 A	1	P2F-5					0.2	0.2	P2F-6	1	20 A	RCPT
RCPT	20 A	1	P2F-7	0.2	0.2					P2F-8	1	20 A	RCPT
RCPT	20 A	1	P2F-9			0.2	0.7			P2F-10	1	20 A	RCPT MECH. MEZZ. 1M:02
RCPT MECH. MEZZ. 1M:02	20 A	1	P2F-11					0.7	0.4	P2F-12	1	15 A	RCPT RMS 1:106L, 1:106F
RCPT RMS 1:106Q, 1:106P	15 A	1	P2F-13	0.2	2.5					P2F-14	2	15 A	RCPT 14-30R KE-5 LAUNDRY 1:106Q
KE-4 22lbs. WASHER...	15 A	1	P2F-15			1.2	2.5			P2F-16			
RCPT KE-1 LAUNDRY...	20 A	1	P2F-17					1.2	0.5	P2F-18	1	15 A	RCPT OFFICE 1:106E
RCPT OFFICE 1:106E	15 A	1	P2F-19	0.5	0.5					P2F-20	1	15 A	LAV-1 HARD-WIRED...
RCPT RMS , 1:106B	15 A	1	P2F-21			2.4	1.2			P2F-22	1	20 A	VENDING MACHINE
RCPT RMS 1:106F, 1:106,...	15 A	1	P2F-23					0.4	2.4	P2F-24	1	15 A	RCPT EQ-22A RMS , 1:090
VENDING MACHINE	20 A	1	P2F-25	2.4	0.2					P2F-26	1	15 A	RCPT CULINARY ARTS...
RCPT EQ-22B RMS , 1:090	15 A	1	P2F-27			2.4				P2F-28			
			P2F-29							P2F-30			
			P2F-31							P2F-32			
			P2F-33							P2F-34			
			P2F-35							P2F-36			
			P2F-37							P2F-38			
			P2F-39							P2F-40			
			P2F-41							P2F-42			
			P2F-43							P2F-44			
			P2F-45							P2F-46			
			P2F-47							P2F-48			
			P2F-49							P2F-50			
			P2F-51							P2F-52			
			P2F-53							P2F-54			
			P2F-55							P2F-56			
			P2F-57							P2F-58			
			P2F-59							P2F-60			
			P2F-61							P2F-62			
			P2F-63							P2F-64			
			P2F-65							P2F-66			
			P2F-67							P2F-68			
			P2F-69							P2F-70			
			P2F-71							P2F-72			
			P2F-73							P2F-74			
			P2F-75							P2F-76			
			P2F-77							P2F-78			
			P2F-79							P2F-80			
			P2F-81							P2F-82			
			P2F-83							P2F-84			
			TOTAL LOAD:	7 kVA		11 kVA		6 kVA					
			TOTAL AMPS:	64 A		93 A		49 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
RCPT	16380 VA	50.00%	8190 VA		
KTCH	7392 VA	65.00%	4805 VA	**CONNECTED LOAD:**	24252 VA
CONTROLS	480 VA	50.00%	240 VA	**ESTIMATED DEMAND:**	13235 VA
				CONNECTED CURRENT:	67 A
				EST. DEMAND CURRENT:	37 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

PROVINCE OF MANITOBA
M. G. PENNER
Member
23792
2024-04-01
LICENSED PROFESSIONAL ENGINEER

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 3

SCALE	PROJECT No:	SHEET No:
	2020-127	E6.12

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